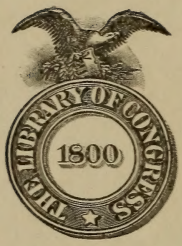

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A

CATALOGUE OF PLANTS

GROWING WITHOUT CULTIVATION

WITHIN THIRTY MILES OF

AMHERST COLLEGE:

BY

EDWARD TUCKERMAN, M.A.,

PROFESSOR OF BOTANY,

AND

CHARLES C. FROST, M.A.

AMHERST:
EDWIN NELSON.
1875.

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JOURNAL STEAM PRESS,
LEWISTON, MAINE.

The Flora Amherstiensis, as here understood, embraces the region within thirty miles of the town of Amherst. The districts thus included, while well associable, afford a sufficient diversity of soils, and other natural features, to give good scope to our enumeration, and make it one worthy of an Academic centre. And the extreme points, while they furnish some important plants not yet but hereafter probably to be found nearer, are by no means so distant from us as they were when the earlier catalogue, which embraced all within "forty or fifty miles of Amherst College," was prepared.

The botanical exploration of this region was begun at about the year 1817, and resulted in the ample "Catalogue of the Plants growing without cultivation in the vicinity of Amherst College," which was published by the late President Hitchcock, then Professor of Chemistry and Natural History, in 1829. Among his early coadjutors the author mentions Prof. Stephen W. Williams of Deerfield, and Dr. Dennis Cooley, formerly of the same town; and the herbarium of the latter, "collected and arranged with great industry," is said to have contained "nearly all the plants hitherto found in this district." (Hitchcock Catal., pref.) And he indicates his indebtedness to Rev., afterwards Prof. Chester Dewey for his assistance in the determination of Carex, to Prof. Lewis C. Beck, in the Ferns and Mosses, and to Prof. Torrey "in almost every part, . . . especially the Grasses, and the Class Cryptogamia."

For nearly thirty years scarcely anything was added, in print, to the Amherst Catalogue. But North American Botany had taken a new shape during that period, in the hands especially of Drs. Torrey and Gray; and the Text-book and Manual of the latter author had become

the hand-books of all students. It was evident then, when the present writer undertook the charge of botanical study here, in 1858, that a new List, and particularly a revision of the larger and more difficult groups, with a view to bringing these into conformity with Gray's Manual, was first of all needed: and this was at once set about, and these groups arranged mainly as they now stand; but little comparatively having since been added to them. In this work I was constantly indebted to Prof. Gray; as also, in various parts, to Dr. George Engelmann, Dr. J. W. Robbins of Uxbridge, and, in Carex, to the late Dr. Francis Boott of London. The difficulties of the new catalogue were thus at an end, and it might long since have been put into print; but has certainly gained, in not a few interesting additions, by the delay. Due mention is made, in the following pages, of the many friends whose labours of love have augmented our Flora; as it has also been intended to indicate the original finder of every peculiarly interesting plant. And I take pleasure in expressing here my indebtedness to the late President Hitchcock; to Prof. W. S. Clark, my predecessor in the botanical lecture-room, and now President of the Massachusetts Agricultural College; to Prof. G. L. Goodale, now of Harvard University, in whose company, when a student of Amherst College, much of my herborizing was done; to Prof. C. H. Hitchcock, now of Dartmouth College; and, last but not least, to Rev. H. G. Jesup of this town, who has recently gone over the larger part of the ground afresh, with unsurpassed care, and added, as these pages shew, a very considerable number of new things. It is to the same gentleman that the College owes the foundation and the building up of its new North American herbarium. Nor can I forget the younger friend, not long since taken from us, the late E. F. Bishop, of what is now the Senior Class, whose keen eye was as valuable, in every botanical excursion, whether by land or water, as his willing arm; and who made our long neglected Utriculariæ entirely his own.

The Linnæan school of botanists by no means passed over, in their botanizing, the lower cryptogamous plants, which the then imperfect knowledge, and simple arrangements, made comparatively easy. And Muhlenberg, in his Catalogue of North American plants (1818) set the example for us of a similar attempt at an universal view of vegetation; in which he was followed by Torrey, in his early New York Catalogue (1819) as well as by Dr. Hitchcock, in his Amherst Catalogue (1829) and in his Massachusetts Catalogue (1835). It needed no argument to shew that the new List should cover the same ground; and, most

happily, the work had been already in great part done for us, in the light of present knowledge, by the veteran cryptogamist of the Connecticut valley, Charles C. Frost, Esq., of Brattleborough; to whom we thus owe at once the Mosses, Liverworts, Characeæ, and Fungi.

The foreign, whether or not naturalized, plants of a Flora, though to a considerable degree fluctuating and uncertain, are by no means of least interest to the botanist; and some care has been taken to reckon them pretty fully. When this region was first settled much good grass land was found in the Indian clearings; and "we may safely conclude that there were green meadows" and "grassy upland in scattered, open woods . . . in this Norwottuck valley" (Judd Hist. Hadley, p. 105). But it was not long before English Grass was grown. John Pynchon, Esq., of Springfield, had already several acres of this in 1658 (Judd, p. 370). And Josselyn, writing in 1672, has an interesting list of "such plants as have sprung up since the English planted and kept cattle in New England" (New England's Rarities, p. 85) that is, as were brought in, in good part, with the English grass-seed. A considerable number of our introduced plants thus probably came in early; while others, whether in part appearing and disappearing before, are no doubt later additions. It will be interesting to ascertain what we can of the arrival among us of these strangers; and, as further accessions of the same sort are to be expected, to take note of their first appearance. And the history of even long-established denizens appears to be not wholly beyond our reach. Thus the Daisy (Leucanthemum, Tourn., — Great Daisy of the old botanists) is said to have been introduced, about sixty years ago, by a Rhode Island man, Cundall by name, who brought seed here for the purpose of planting for horse-feed; for which the plant was recommended (Inf. of T. Buffum) a story implying that it was at least not conspicuous before. Ribwort (Plantago lanceolata, L.) now frequent everywhere, appears to have been recognized by Dr. Hitchcock in South Amherst only, in 1829. And Rudbeckia hirta, becoming every year more common, had, it is scarcely doubtful, its first introduction with Western grass-seed, or between twenty and thirty years since; seed before then being got from Vermont and Canada (Inf. of G. Cutler). The plant was unknown to Hitchcock in 1835 (Catal. Mass.) as to Dewey (1840) but was recognized as occurring in New England in 1856, by Gray. Other western species may well be expected to reach us in the same way. The present catalogue will afford the first date, of some introduced plants no doubt which may not hold their ground, as of

others henceforth possibly to become established. Introduced species are distinguished by spaced type; and the few which are known as yet only at a single station, though sometimes already abundant there, are also enclosed within brackets.

Some corrections and additions will be found at the end.

E. T.

AMHERST,
10 *July*, 1875.

SERIES I.

PHÆNOGAMOUS OR FLOWERING PLANTS.

CLASS I. DICOTYLEDONOUS OR EXOGENOUS PLANTS.

SUB-CLASS I. ANGIOSPERMÆ.

DIVISION I. POLYPETALOUS.

ORDER 1. **RANUNCULACEÆ.**

1. CLEMATIS, L. VIRGIN'S BOWER.

1. **verticillaris,** DC. Mount Holyoke, *Hitchcock.* Greenfield, *F. G. Tuckerman.*
2. **Viorna,** L. Brattleborough, *Frost.*
3. **Virginiana,** L.

2. ANEMONE, L. WIND-FLOWER.

1. **cylindrica,** Gray. Mt. Toby, &c., *H. G. Jesup.*
2. **Virginiana,** L.
3. **Pennsylvanica,** L. South Hadley, *G. L. Goodale.*
4. **nemorosa,** L.

3. HEPATICA, Dill. NOBLE LIVERWORT.

1. **triloba,** Chaix.
2. **acutiloba,** DC. Conway, &c., *Jesup.*

4. THALICTRUM, Tourn. MEADOW-RUE.

1. **anemonoides,** Michx.
2. **dioicum,** L.
3. **Cornuti,** L.

5. RANUNCULUS, L. CROWFOOT.

1. **aquatilis,** L., var. **trichophyllus,** Chaix.
2. **multifidus,** Pursh.
3. **alismæfolius,** Geyer.
4. **Flammula,** L., var. **reptans,** Gray.
5. **abortivus,** L.
6. **sceleratus,** L.
7. **recurvatus,** Poir.
8. **Pennsylvanicus,** L.
9. **fascicularis,** Muhl.
10. **repens,** L.
11. **bulbosus,** L.
12. **acris,** L.

6. CALTHA, L.

palustris, L. Marsh Marigold.

7. COPTIS, Salisb.

trifolia, Salisb. Goldthread.

8. AQUILEGIA, Tourn. Columbine.

Canadensis, L.

9. ACTÆA, L. Bane-Berry.

1. spicata, L., var. rubra, Michx.
2. alba, Bigel.

10. CIMICIFUGA, L.

racemosa, Ell. Black Snakeroot. Goshen, *E. Hitchcock.*

Order 2. MAGNOLIACEÆ.

LIRIODENDRON, L.

tulipifera, L. Tulip-tree. Deerfield, *Hitchcock.*

Order 3. MENISPERMACEÆ.

MENISPERMUM, L.

Canadense, L. Moonseed.

Order 4. BERBERIDACEÆ.

1. BERBERIS, L.

vulgaris, L. Barberry. Northampton, Shutesbury, &c.

2. CAULOPHYLLUM, Michx.

thalictroides, Michx. Pappoose-Root.

3. PODOPHYLLUM, L.

peltatum, L. May-Apple. South Amherst, *Hitchcock.*

Order 5. NYMPHÆACEÆ.

1. BRASENIA, Schreb.

peltata, Pursh.

2. NYMPHÆA, Tourn.

odorata, Ait. Water-lily.

3. NUPHAR, Smith.

1. Advena, Ait. Yellow Water-Lily.
2. luteum, Smith, var. pumilum, Gray. Oxbow, *Jesup.*

Order 6. SARRACENIACEÆ.

SARRACENIA, Tourn.

purpurea, L. Side-saddle Flower.

ORDER 7. **PAPAVERACEÆ.**

1. CHELIDONIUM, L.

majus, L. CELANDINE. Deerfield, &c.

2. SANGUINARIA, Dill.

Canadensis, L. BLOOD-ROOT.

ORDER 8. **FUMARIACEÆ.**

1. ADLUMIA, Raf.

cirrhosa, Raf. Mt. Toby, &c.

2. DICENTRA, Bork.

1. **Cucullaria,** DC. North Amherst. Northampton.
2. **Canadensis,** DC. Conway, *G. L. Goodale.*

3. CORYDALIS, Vent.

glauca, Pursh.

4. FUMARIA, L.

officinalis, L. FUMITORY.

ORDER 9. **CRUCIFERÆ.**

1. NASTURTIUM, R. Br. CRESS.

1. **officinale,** R. Br. TRUE WATER-CRESS. Deerfield.
2. **sylvestre,** R. Br. School meadow, Hadley.
3. **palustre,** DC.
4. **Armoracia,** Fries. HORSE-RADISH.

2. DENTARIA, L. TOOTHWORT.

1. **diphylla,** L.
2. **laciniata,** Muhl. Deerfield, *Hitchcock.*

3. CARDAMINE, L. LADY'S-SMOCK.

hirsuta, L., & var. **sylvatica,** Gray.

4. ARABIS, L. ROCK-CRESS.

1. **hirsuta,** Scop.
2. **lævigata,** DC.
3. **Canadensis,** L.

5. BARBAREA, R. Br. WINTER-CRESS.

vulgaris, R. Br.

6. ERYSIMUM, L. TREACLE-MUSTARD.

cheiranthoides, L. Mt. Toby, *Jesup.* Brattleborough, *Frost.*

7. SISYMBRIUM, L.

officinale, Scop. HEDGE-MUSTARD.

8. BRASSICA, Tourn.

1. alba, Gray. WHITE MUSTARD.
2. nigra, Gray. TRUE MUSTARD.

9. ALYSSUM, Tourn.

[calycinum, L. Amherst, rare.]

10. CAMELINA, Crantz.

sativa, Crantz. Amherst.

11. CAPSELLA, Vent.

Bursa-pastoris, Moench. SHEPHERD'S-PURSE.

12. LEPIDIUM, L. PEPPERWORT.

Virginicum, L.

13. RAPHANUS, L.

Raphanistrum, L. CHARLOCK.

ORDER 10. VIOLACEÆ.

VIOLA, L. VIOLET.

1. rotundifolia, Michx.
2. lanceolata, L.
3. primulæfolia, L.
4. blanda, Willd.
5. cucullata, Ait., & var. palmata, Gray.
6. sagittata, Ait., & var. ovata.
7. pedata, L.
8. canina, L., var. sylvestris, Regel.
9. rostrata, Pursh.
10. striata, Ait. Amherst, *Hitchcock*.
11. Canadensis, L.
12. pubescens, Ait.
13. tricolor, L. PANSY. About houses.

ORDER 11. CISTACEÆ.

1. HELIANTHEMUM, Tourn.

Canadense, Michx. FROSTWORT.

2. LECHEA, L. PINWEED.

1. major, Michx.
2. minor, Lam.

ORDER 12. DROSERACEÆ.

DROSERA, L. SUN-DEW.

1. rotundifolia, L.
2. longifolia, L.

Order 13. HYPERICACEÆ.

1. HYPERICUM, L. St. John's-wort.

1. pyramidatum, Ait.
2. ellipticum, Hook.
3. perforatum, L.
4. corymbosum, Muhl.
5. mutilum, L.
6. Canadense, L. Also v. major, Gray; at Conway, *Jesup.*
7. Sarothra, Michx.

2. ELODES, Adans.

Virginica, Nutt.

Order 14. CARYOPHYLLACEÆ.

1. DIANTHUS, L.

Armeria, L. Deptford Pink. Shores of Conn. river.

2. SAPONARIA, L.

officinalis, L. Soapwort.

3. SILENE, L. Catchfly.

1. inflata, Smith. Bladder Campion. Amherst, rare.
2. Pennsylvanica, Michx.
3. antirrhina, L.
4. noctiflora, L.

4. LYCHNIS, Tourn.

1. dioica, L. Red Campion. Roadsides.
2. Githago, Lam. Cockle.

5. ARENARIA, L. Sandwort.

1. serpyllifolia, L.
2. stricta, Michx.
3. lateriflora, L.

6. STELLARIA, L. Stitchwort.

1. media, Smith. Chick-weed.
2. longifolia, Muhl.

[3. graminea, L. Amherst, rare, *Tuckerman.*]

4. borealis, Bigel.

7. CERASTIUM, L. Mouse-ear Chickweed.

[1. vulgatum, L. Amherst, rare, *Tuckerman.*]

2. viscosum, L.

8. SAGINA, L. Pearlwort.

procumbens, L.

9. SPERGULARIA, Pers.

rubra, Presl., var. campestris, Gray.

10. **SPERGULA**, L. Spurrey.

arvensis, L.

11. **ANYCHIA**, Michx.

dichotoma, Michx.

12. **SCLERANTHUS**, L. Knawel.

annuus, L.

13. **MOLLUGO**, L.

verticillata, L.

Order 15. **PORTULACACEÆ.**

1. **PORTULACA**, Tourn.

oleracea, L. Purslane.

2. **CLAYTONIA**, L. Spring Beauty.

Virginica, L.

Order 16. **MALVACEÆ.**

1. **MALVA**, L. Mallow.

1. rotundifolia, L. Dwarf-Mallow.
2. sylvestris, L. Officinal, or High Mallow.
3. moschata, L. Musk Mallow. Amherst Common, &c.

2. **ABUTILON**, Tourn.

Avicennæ, Gaertn.

Order 17. **TILIACEÆ.**

TILIA, L. Lime-tree.

Americana, L. Basswood.

Order 18. **LINACEÆ.**

LINUM, L. Flax.

Virginianum, L.

Order 19. **GERANIACEÆ.**

1. **GERANIUM**, L. Crane's-bill.

1. maculatum, L.
2. Carolinianum, L.
3. Robertianum, L. Herb Robert.

2. **IMPATIENS**, L. Balsam.

1. pallida, Nutt.
2. fulva, Nutt.

3. OXALIS, L. Wood-Sorrel.

1. **Acetosella,** L. True Wood-Sorrel. Conway, and northward.
2. **violacea,** L. Amherst, and southward.
3. **stricta,** L.

Order 20. RUTACEÆ.

XANTHOXYLUM, Colden.

Americanum, Mill. Prickly Ash. Sunderland, *Hitchcock.* Norwottuck, *Clark.*

Order 21. ANACARDIACEÆ.

RHUS, L. Sumac.

1. **typhina,** L.
2. **glabra,** L.
3. **copallina,** L.
4. **venenata,** DC. (Poison Sumac.)
5. **Toxicodendron,** L. (Poison Ivy.)

Order 22. VITACEÆ.

1. VITIS, Tourn. Vine.

1. **Labrusca,** L. Fox Grape-vine.
2. **æstivalis,** Michx. Summer Grape-vine.
3. **cordifolia,** Michx.
4. **riparia,** Michx.

2. AMPELOPSIS, Michx.

quinquefolia, Michx. Virginian Creeper.

Order 23. RHAMNACEÆ.

1. RHAMNUS, Tourn. Buckthorn.

1. **catharticus,** L. True Buckthorn. Roadsides, Leverett.
2. **alnifolius,** L'Her. Deerfield, *Hitchcock.*

2. CEANOTHUS, L.

Americanus, L. New-Jersey Tea.

Order 24. CELASTRACEÆ.

CELASTRUS, L.

scandens, L. Climbing Staff-tree.

Order 25. SAPINDACEÆ.

1. STAPHYLEA, L.

trifolia, L. Bladder-Nut. Mt. Holyoke; Deerfield, &c.

2. ACER, Tourn. Maple.

1. **Pennsylvanicum**, L. Striped Maple.
2. **spicatum**, Lam. Mountain Maple.
3. **saccharinum**, Wang. Sugar Maple, & var. **nigrum**, Gray.
4. **dasycarpum**, Ehrh. Silver Maple.
5. **rubrum**, L. Red Maple.

Order 26. POLYGALACEÆ.

POLYGALA, Tourn. Milk-wort.

1. **sanguinea**, L.
2. **verticillata**, L.
3. **polygama**, L. Bitter Polygala. Mt. Holyoke.
4. **paucifolia**, Willd.

Order 27. LEGUMINOSÆ.

1. LUPINUS, Tourn. Lupine.

perennis, L.

2. CROTALARIA, L.

sagittalis, L.

3. TRIFOLIUM, L. Trefoil.

1. **arvense**, L. Hare's-foot Trefoil.
2. **pratense**, L. Red Clover.
3. **repens**, L. White Clover.
4. **agrarium**, L. Hop Trefoil.
5. **procumbens**, L. Low Hop-Trefoil.

4. MELILOTUS, Tourn. Melilot.

alba, Lam. Roadsides.

5. MEDICAGO, L. Medick.

[1. **sativa**, L. Lucerne. Rare, *G. L. Goodale.*]
2. **lupulina**, L. Nonesuch. Rare.

6. ROBINIA, L. Locust Tree.

1. **Pseudacacia**, L.
2. **viscosa**, Vent.

7. TEPHROSIA, Pers.

Virginiana, Pers. Amer. Goat's Rue.

8. DESMODIUM, DC. Tick-Trefoil.

1. **nudiflorum**, DC.
2. **acuminatum**, DC.
3. **rotundifolium**, DC.
4. **canescens**, DC.
5. **cuspidatum**, Torr. & Gray.
6. **Dillenii**, Darlingt.

7. **paniculatum**, DC.
8. **Canadense**, DC.
9. **rigidum**, DC.
10. **Marilandicum**, Boott.

9. LESPEDEZA, Michx. Bush-Clover.

1. **procumbens**, Michx.
2. **repens**, Torr. & Gray.
3. **violacea**, Pers.
4. **hirta**, Ell.
5. **capitata**, Michx.

10. VICIA, Tourn. Vetch.

1. **sativa**, L.
2. **Cracca**, L. Deerfield.

11. LATHYRUS, L. Vetchling.

pratensis, L. West Springfield, *A. P. Foster*.

12. APIOS, Boerh.

tuberosa, Moench. Ground-Nut.

13. AMPHICARPÆA, Ell.

monoica, Nutt.

14. BAPTISIA, Vent.

tinctoria, R. Br. Wild Indigo.

15. CASSIA, L.

1. **Marilandica**, L. Wild Senna.
2. **nictitans**, L. Hadley, &c.

Order 28. ROSACEÆ.

1. PRUNUS, Tourn. Plum. Cherry.

1. **Americana**, Marsh. Wild Plum-tree.
2. **pumila**, L.
3. **Pennsylvanica**, L.
4. **Virginiana**, L. Choke Cherry.
5. **serotina**, Ehrh. Wild Cherry.

2. SPIRÆA, L.

1. **salicifolia**, L. Meadow-Sweet.
2. **tomentosa**, L. Hardhack.

3. POTERIUM, L., Gray. Burnet.

Canadense, Gray. Hadley, Sunderland, &c.

4. AGRIMONIA, Tourn.

Eupatoria, L. Agrimony.

5. GEUM, L. Avens.

1. album, Gmel.
2. Virginianum, L.
3. strictum, Ait.
4. rivale, L. Water Avens.

6. WALDSTEINIA, Willd.

fragarioides, Tratt.

7. POTENTILLA, L. Cinquefoil.

1. Norvegica, L.
2. Canadensis, L.
3. argentea, L.
4. arguta, Pursh.
5. fruticosa, L.
6. tridentata, Ait. Hoosac mtn., *Hitchcock.*
7. palustris, Scop. Brattleborough, *Frost.*

8. FRAGARIA, Tourn. Strawberry.

1. Virginiana, Ehrh.
2. vesca, L. Mt. Holyoke, &c.

9. DALIBARDA, L.

repens, L. Greenfield.

10. RUBUS. Bramble.

1. odoratus, L. Flowering Raspberry.
2. triflorus, Richards.
3. strigosus, Michx. Red Raspberry.
4. occidentalis, L. Black Raspberry.
5. villosus, Ait. High Blackberry.
6. Canadensis, L. Low Blackberry.
7. hispidus, L.

11. ROSA, Tourn. Rose.

1. Carolina, L.
2. lucida, Ehrh.
3. blanda, Ait. Mt. Holyoke.
4. rubiginosa, L. Sweet Briar.
5. Gallica, L. Garden Rose. Roadsides, and fields.
6. Cinnamomea, L. Cinnamon Rose. Roadsides.

12. CRATÆGUS, L. Hawthorn.

1. coccinea, L.
2. tomentosa, L., & var. punctata, Gray.
3. Crus-Galli, L.

13. PYRUS, L. Pear. Apple.

1. arbutifolia, L. Choke-berry.
2. Americana, DC. Mountain Ash.

14. **AMELANCHIER**, Medic. JUNE-BERRY.

Canadensis, Torr. & Gray., var. **Botryapium**, Gray, & var. **oblongifolia**, Gray.

ORDER 29. **SAXIFRAGACEÆ.**

1. **RIBES**, L. CURRANT. GOOSEBERRY.

1. **Cynosbati**, L. Conway, *&c., Jesup.*
2. **hirtellum**, Michx.
3. **rotundifolium**, Michx. West river mtn., *Hitchcock.*
4. **prostratum**, L'Her. SKUNK'S CURRANT. Chesterfield, N. H., *&c., Hitchcock.*
5. **floridum**, L. BLACK CURRANT.

2. **PARNASSIA**, Tourn. GRASS OF PARNASSUS.

Caroliniana, Michx.

3. **SAXIFRAGA**, L. SAXIFRAGE.

1. **Virginiensis**, Michx.
2. **Pennsylvanica**, L.

4. **MITELLA**, Tourn.

1. **diphylla**, L.
2. **nuda**, L. East Amherst, *Jesup.*

5. **TIARELLA**, L.

cordifolia, L.

6. **CHRYSOSPLENIUM**, Tourn. GOLDEN SAXIFRAGE.

Americanum, Schwein.

ORDER 30. **CRASSULACEÆ.**

1. **PENTHORUM**, Gronov.

sedoides, L.

2. **SEDUM**, Tourn. STONE-CROP.

[1. **reflexum**, L. Roadside, Leverett, *Jesup.*]
2. **Telephium**, L. ORPINE.

ORDER 31. **HAMAMELACEÆ.**

1. **HAMAMELIS**, L.

Virginica, L. WITCH-HAZEL.

2. **LIQUIDAMBAR**, L.

Styraciflua, L. SWEET GUM. Northampton, *Eaton.*

ORDER 32. **HALORAGEÆ.**

1. **MYRIOPHYLLUM**, Vaill. WATER-MILFOIL.

1. **verticillatum**, L.

2. **ambiguum**, Nutt. Hadley, *Jesup.*
3. **tenellum**, Bigel.

2. PROSERPINACA, L.

palustris, L.

Order 33. ONAGRACEÆ.

1. CIRCÆA, Tourn. Enchanter's Nightshade.

1. **Lutetiana**, L.
2. **alpina**, L.

2. EPILOBIUM, L. Willow-herb.

1. **angustifolium**, L.
2. **palustre**, L., var. **lineare**, Gray.
3. **molle**, Torr.
4. **coloratum**, Muhl.

3. ŒNOTHERA, L. Evening-Primrose.

1. **biennis**, L. Tree-Primrose.
2. **pumila**, L.

4. LUDWIGIA, L.

1. **alternifolia**, L. Hadley.
2. **palustris**, Ell.

Order 34. MELASTOMACEÆ.

RHEXIA, L. Deer-Grass.

Virginica, L. Leverett, and Shutesbury.

Order 35. LYTHRACEÆ.

1. LYTHRUM, L. Purple Loosestrife.

Salicaria, L. Roadsides, &c.

2. NESÆA, Commers.

verticillata, H. B. K. Belchertown, and Sunderland.

Order 36. CUCURBITACEÆ.

1. SICYOS, L.

angulatus, L. Single-Seed Cucumber.

2. ECHINOCYSTIS, Torr. & Gray.

lobata, Torr. & Gray. Wild Balsam-apple. School meadow, Hadley, and Deerfield, *Hitchcock.*

Order 37. UMBELLIFERÆ.

1. HYDROCOTYLE, Tourn. Marsh-Pennywort.

Americana, L.

2. SANICULA, Tourn.

1. Canadensis, L.
2. Marilandica, L. SANICLE.

3. DAUCUS, Tourn.

Carota, L. CARROT.

4. HERACLEUM, L.

lanatum, Michx. COW-PARSNEP.

5. PASTINACA, Tourn.

sativa, L. PARSNEP.

6. ARCHANGELICA, Hoffm.

atropurpurea, Hoffm. ANGELICA.

7. THASPIUM, Nutt.

aureum, Nutt.

8. CICUTA, L. COW-BANE.

1. maculata, L. WATER-HEMLOCK.
2. bulbifera. L.

9. SIUM, L.

1. lineare, Michx. WATER-PARSNEP.
2. angustifolium, L.

10. CRYPTOTÆNIA, DC.

Canadensis, DC. HONEWORT.

11. OSMORRHIZA, Raf. SWEET CICELY.

1. longistylis, DC.
2. brevistylis, DC.

12. CONIUM, L. HEMLOCK.

maculatum, L. POISON HEMLOCK.

ORDER 38. ARALIACEÆ.

ARALIA, Tourn.

1. racemosa, L. SPIKENARD.
2. hispida, Michx.
3. nudicaulis, L. WILD SARSAPARILLA.
4. quinquefolia, Gray. GINSENG. Deerfield, Conway, &c.
5. trifolia, Gray.

ORDER 39. CORNACEÆ.

1. CORNUS, Tourn. CORNEL.

1. Canadensis, L. DWARF CORNEL.
2. florida, L. DOGWOOD.
3. circinata, L'Her.

4. sericea, L.
5. stolonifera, Michx.
6. paniculata, L'Her.
7. alternifolia, L.

2. NYSSA, L. Tupelo.

multiflora, Wang. Sour Gum.

Division II. MONOPETALOUS.

Order 40. CAPRIFOLIACEÆ.

1. LINNÆA, Gronov.

borealis, Gronov.

2. LONICERA, L. Honeysuckle.

1. parviflora, Lam.
2. ciliata, Muhl.
3. cærulea, L. Deerfield, *Hitchcock.*
4. oblongifolia, Muhl. Brattleborough, *Frost.*

3. DIERVILLA, Tourn.

trifida, Moench.

4. TRIOSTEUM, L.

perfoliatum, L. Fever-root.

5. SAMBUCUS, Tourn.

1. Canadensis, L. Elder.
2. pubens, Michx.

7. VIBURNUM, L. Guelder-Rose.

1. Lentago, L.
2. nudum, L.
3. dentatum, L. Arrow-wood.
4. acerifolium, L.
5. Opulus, L. High-Cranberry.
6. lantanoides, Michx. Hobble-bush.

Order 41. RUBIACEÆ.

1. GALIUM, L. Bed-straw.

1. Aparine, L. Cleavers. Hitchcock Catal.
2. asprellum, Michx.
3. trifidum, L., & var. tinctorium, Gray. Dyer's Cleavers.
4. triflorum, Michx.
5. pilosum, Ait.
6. circæzans, Michx. Wild Liquorice.
7. lanceolatum, Torr.

8. **boreale**, L.
9. **verum**, L. YELLOW BED-STRAW. In grass land, Amherst. *Tuckerman.*

2. CEPHALANTHUS, L.

occidentalis, L. BUTTON-BUSH.

3. MITCHELLA, L.

repens, L. CHECKER-BERRY.

4. HOUSTONIA, L.

cærulea, L. BLUETS.

ORDER 42. DIPSACEÆ.

DIPSACUS, Tourn. TEASEL.

sylvestris, Mill. Brattleborough, *Frost.*

ORDER 43. COMPOSITÆ.

1. VERNONIA, Schreb.

Noveboracensis, Willd. West Springfield, *Hitchcock.*

2. LIATRIS, Schreb.

scariosa, Willd. Hadley, &c.

3. EUPATORIUM, Tourn.

1. **purpureum**, L. JOE PYE.
2. **hyssopifolium**, L. Mt. Toby, *Jesup.*
3. **teucrifolium**, Willd.
4. **perfoliatum**, L. THOROUGHWORT.
5. **ageratoides**, L.

4. MIKANIA, Willd.

scandens, L.

5. NARDOSMIA, Cass.

palmata, Hook. Sunderland, *Hitchcock.*

6. TUSSILAGO, Tourn.

Farfara, L. COLTSFOOT. Amherst, Pelham, &c.

7. SERICOCARPUS, Nees.

1. **solidagineus**, Nees.
2. **conyzoides**, Nees.

8. ASTER, L. STARWORT.

1. **corymbosus**, Ait.
2. **macrophyllus**, L.
3. **patens**, Ait.
4. **lævis**, L., var. **lævigatus**, Gray, and var. **cyaneus**, Gray.
5. **undulatus**, L.
6. **cordifolius**, L.

7. **ericoides,** L.
8. **multiflorus,** Ait.
9. **dumosus,** L.
10. **Tradescanti,** L.
11. **miser,** L., Ait.
12. **simplex,** Willd.
13. **tenuifolius,** L.
14. **carneus,** Nees.
15. **longifolius,** Lam.
16. **puniceus,** L.
17. **amethystinus,** Nutt. Hadley, *Tuckerman.*
18. **Novæ Angliæ,** L.
19. **acuminatus,** Michx.

9. ERIGERON, L. Fleabane.

1. **Canadense,** L. Canada Fleabane.
2. **bellidifolium,** Muhl.
3. **Philadelphicum,** L.
4. **annuum,** Pers.
5. **strigosum,** Muhl., & var. **discoideum,** Robbins.

10. DIPLOPAPPUS, Cass.

1. **linariifolius,** Hook.
2. **umbellatus,** Torr. & Gray.

11. SOLIDAGO, L. Golden-rod.

1. **squarrosa,** Muhl. Mt. Holyoke, Mt. Toby, &c.
2. **bicolor,** L.
3. **latifolia,** L.
4. **cæsia,** L.
5. **puberula,** Nutt. Pelham, *Jesup.* Brookfield, &c., *Tuckerman.*
6. **stricta,** Ait. Hitchcock Catal.
7. **speciosa,** Nutt.
8. **rigida,** L. South Hadley. *Hitchcock.*
9. **neglecta,** Torr. & Gray. Brookfield, &c., *Tuckerman.*
10. **patula,** Muhl.
11. **arguta,** Ait.
12. **Muhlenbergii,** Torr & Gray. Mt. Holyoke, &c.
13. **altissima,** L.
14. **ulmifolia,** Muhl.
15. **odora,** Ait. Sweet Golden-rod.
16. **nemoralis,** Ait.
17. **Canadensis,** L.
18. **serotina,** Ait.
19. **gigantea,** Ait.
20. **lanceolata,** L.

12. INULA, L.

Helenium, L. Elecampane.

13. AMBROSIA, Tourn.

1. trifida, L.
2. artemisiæfolia, L.

14. XANTHIUM, Tourn.

1. strumarium, L. Clotbur.
2. spinosum, L. Plainfield, *Porter*.

15. RUDBECKIA, L.

1. laciniata, L.
2. hirta, L. Grass land.

16. HELIANTHUS, L. Sunflower.

1. giganteus, L.
2. strumosus, L.
3. divaricatus, L.
4. decapetalus, L.
5. tuberosus, L. Jerusalem Artichoke. Northampton meadows.

17. COREOPSIS, L.

tinctoria, Nutt. Roadsides, sparingly.

18. BIDENS, L. Bur-Marigold.

1. frondosa, L.
2. connata, Muhl.
3. chrysanthemoides, Michx.

19. MARUTA, Cass.

Cotula, DC. May-weed. Roadsides.

20. ACHILLEA, L.

millefolium, L. Yarrow.

21. LEUCANTHEMUM, Tourn.

vulgare, Lam. Ox-eye Daisy.

22. TANACETUM, L.

vulgare, L. Tansy.

23. PYRETHRUM, DC.

Tanacetum, DC. Costmary. Roadsides, rare.

24. ARTEMISIA, L. Wormwood.

1. Canadensis, Michx. Sugar Loaf.
2. vulgaris, L. Mugwort. Roadsides, &c.

25. GNAPHALIUM, L. Cudweed.

1. decurrens, Ives.
2. polycephalum, Michx. Sweet Everlasting.
3. uliginosum, L.

26. ANTENNARIA, Gaertn.

1. margaritacea, R. Br. EVERLASTING.
2. plantaginifolia, Hook.

27. ERECHTHITES, Raf.

hieracifolia, Raf. FIREWEED.

28. SENECIO, L.

1. vulgaris, L. GROUNDSEL. Waste places, Amherst, &c.
2. aureus, L., & var. Balsamitæ, Torr. & Gray.

29. CENTAUREA, L.

nigra, L. KNAPWEED. Waste places, Hardwick, *Hitchcock*.

30. CIRSIUM, Tourn. THISTLE.

1. lanceolatum, Scop.
2. discolor, Spreng.
3. altissimum, Spreng.
4. muticum, Michx.
5. pumilum, Spreng.
6. arvense, Scop. CANADA THISTLE.

31. LAPPA, Tourn.

officinalis, All. BURDOCK.

32. CICHORIUM, Tourn.

Intybus, L. SUCCORY. Amherst, rare. Greenfield.

33. KRIGIA, Schreb.

Virginica, Willd.

34. CYNTHIA, Don.

Virginica, Don.

35. LEONTODON, L., Juss.

[autumnale, L. FALL DANDELION. Grass land, Amherst, seen once.]

36. HIERACIUM, Tourn. HAWKWEED.

1. Canadense, Michx.
2. scabrum, Michx.
3. Gronovii, L.
4. venosum, L.
5. paniculatum, L.

37. NABALUS, Cass.

1. albus, Hook.
2. altissimus, Hook.
3. Fraseri, DC.

38. TARAXACUM, Hall.

Dens-leonis, Desf. DANDELION.

39. LACTUCA, Tourn. Lettuce.

Canadensis, L., & var. **integrifolia**, Torr. & Gray. Wild Lettuce.

40. MULGEDIUM, Cass.

leucophæum, DC.

41. SONCHUS, L. Sow-Thistle.

1. **oleraceus**, L.
2. **asper**, Vill.

Order 44. LOBELIACEÆ.

LOBELIA, L.

1. **cardinalis**, L. Cardinal-flower.
2. **inflata**, L. Wild Tobacco.
3. **spicata**, Lam.
4. **Kalmii**, L. South Hadley, *Hitchcock*. Near Greenfield, *F. G. Tuckerman*.
5. **Dortmanna**, L.

Order 45. CAMPANULACEÆ.

1. CAMPANULA, Tourn. Bellflower.

1. **rotundifolia**, L. Harebell.
2. **aparinoides**, Pursh.

2. SPECULARIA, Heist.

perfoliata, A. DC.

Order 46. ERICACEÆ.

1. GAYLUSSACIA, H. B. K.

1. **frondosa**, Torr. & Gray. Blue Whortleberry.
2. **resinosa**, Torr. & Gray. Black Whortleberry.

2. VACCINIUM, L.

1. **Oxycoccus**, L. Small Cranberry.
2. **macrocarpum**, Ait. Cranberry.
3. **stamineum**, L. Squaw Whortleberry.
4. **Pennsylvanicum**, Lam. Dwarf Blueberry.
5. **vacillans**, Soland. Low Blueberry.
6. **corymbosum**, L., var. **atrococcum**, Gray. Swamp Blueberry.

3. CHIOGENES, Salisb.

hispidula, Torr. & Gray.

4. ARCTOSTAPHYLOS, Adans.

Uva-Ursi, Spreng. Bearberry.

5. EPIGÆA, L.

repens, L. Mayflower.

6. GAULTHERIA, Kalm.

procumbens, L. PARTRIDGE-BERRY.

7. CASSANDRA, Don.

calyculata, Don.

8. ANDROMEDA, L.

1. **polifolia**, L. Belchertown S. Pond. Hampton Pond.
2. **ligustrina**, Muhl.

9. CALLUNA, Salisb. HEATH.

vulgaris, Salisb. Northfield, *Frost.*

10. KALMIA, L.

1. **latifolia**, L. MOUNTAIN LAUREL.
2. **angustifolia**, L. SHEEP LAUREL.
3. **glauca**, Ait. Amherst, rare. Belchertown S. Pond.

11. AZALEA, L.

1. **viscosa**, L.
2. **nudiflora**, L.

12. RHODORA, Duham.

Canadensis, L.

13. LEDUM, L. LABRADOR TEA.

latifolium, Ait. Amherst, Hitchcock Catal. Near Greenfield. Brattleborough, *Frost.*

14. PYROLA, Tourn. WINTERGREEN.

1. **rotundifolia**, L., & var. **asarifolia**, Gray.
2. **elliptica**, Nutt.
3. **chlorantha**, Swartz.
4. **secunda**, L.

15. MONESES, Salisb.

uniflora, Gray. Williamsburgh, *Jesup.* Brattleborough, *Frost.*

16. CHIMAPHILA, Pursh. WINTERGREEN.

1. **umbellata**, Nutt. PIPSISSEWA.
2. **maculata**, Pursh.

17. PTEROSPORA, Nutt.

Andromedea, Nutt. Easthampton, *E. Hitchcock.* Brattleborough, *Frost.*

18. MONOTROPA, L.

1. **uniflora**, L.
2. **Hypopitys**, L.

ORDER. 47. AQUIFOLIACEÆ,

1. ILEX, L., Gray. HOLLY.

1. **verticillata**, Gray. WINTERBERRY.
2. **lævigata**, Gray. At Belchertown Ponds, *Jesup.*

2. NEMOPANTHES, Raf.

Canadensis, DC. Mountain Holly.

Order 48. PLANTAGINACEÆ.

PLANTAGO, L.

1. **major**, L. Plantain.
2. **lanceolata**, L. Ribwort. S. Amherst, 1829, *Hitchcock;* now everywhere.

Order 49. PRIMULACEÆ.

1. TRIENTALIS, L. Chickweed Winter-green.

Americana, Pursh.

2. LYSIMACHIA, L. Loosestrife.

1. **thyrsiflora**, L.
2. **stricta**, Ait.
3. **quadrifolia**, L.

[4. **punctata**, L. Roadsides, S. Amherst, *Jesup.*]

5. **ciliata**, L.

3. SAMOLUS, L.

Valerandi, L. Brattleborough, *Frost.*

Order 50. LENTIBULACEÆ.

UTRICULARIA, L. Bladderwort.

1. **inflata**, Walt. Belchertown Ponds.
2. **vulgaris**, L.
3. **minor**, L. Leverett Pond, *E. F. Bishop.*
4. **intermedia**, Hayne. Leverett, and Belchertown.
5. **gibba**, L. Leverett, *Bishop.*
6. **purpurea**, Walt. Belchertown, *Bishop.*
7. **resupinata**, Greene. Belchertown, *Bishop.*
8. **cornuta**, Michx.

Order 51. OROBANCHACEÆ.

1. EPIPHEGUS, Nutt.

Virginiana, Bart. Beech-drops.

2. CONOPHOLIS, Wallr.

Americana, Wallr. Mt. Holyoke, *Hitchcock.*

3. APHYLLON, Mitch.

uniflorum, Torr. & Gray.

Order 52. SCROPHULARIACEÆ.

1. VERBASCUM, L. Mullein.

1. **Thapsus**, L. Great Mullein.
2. **Blattaria**, L. Moth Mullein. Roadsides, &c., sparingly.

2. LINARIA, Tourn. Toadflax.

1. Canadensis, Spreng.
2. vulgaris, Mill.

3. SCROPHULARIA, Tourn. Figwort.

nodosa, L.

4. CHELONE, Tourn.

glabra, L. Snake-head.

5. MIMULUS, L.

1. ringens, L.
2. alatus, Ait. Amherst, *Hitchcock.*

6. GRATIOLA, L.

1. Virginiana, L.
2. aurea, Muhl.

7. ILYSANTHES, Raf.

gratioloides, Benth.

8. VERONICA, L. Speedwell.

1. Virginica, L. Culver's Physic.
2. Anagallis, L.
3. Americana, Schwein.
4. scutellata, L.
5. officinalis, L. True Speedwell.
6. serpyllifolia, L.
7. peregrina, L.
8. arvensis, L.

9. GERARDIA, L.

1. purpurea, L. Leverett, *Tuckerman.*
2. tenuifolia, Vahl.
3. flava, L.
4. quercifolia, Pursh.
5. pedicularia, L.

10. CASTILLEIA, Mutis.

coccinea, Spreng. Painted-Cup.

11. SCHWALBEA, Gronov. Chaff-seed.

Americana, L. Montague, *Jesup.*

12. PEDICULARIS, Tourn. Lousewort.

1. Canadensis, L.
2. lanceolata, Michx. Prescott, *E. F. Bishop.* W. Springfield, *Hitchcock.*

13. MELAMPYRUM, Tourn.

Americanum, Michx. Cow-Wheat.

Order 53. VERBENACEÆ.

1. VERBENA, L. Vervain.

1. **angustifolia,** Michx. South Hadley, *Hitchcock.* Amherst. *Clark.*
2. **hastata,** L.
3. **urticifolia,** L.

2. PHRYMA, L.

leptostachya, L. Lopseed.

Order 54. LABIATÆ.

1. TEUCRIUM, L. Germander.

Canadense, L.

2. TRICHOSTEMA, L. Blue Curls.

dichotomum, L.

3. MENTHA, L. Mint.

1. **viridis,** L. Spearmint. Leverett, &c.
2. **piperita,** L. Peppermint. Leverett, &c.
3. **Canadensis,** L. Horse-mint.

4. LYCOPUS, L. Water Horehound.

1. **Virginicus,** L.
2. **Europæus,** L., var. **sinuatus,** Gray.

5. PYCNANTHEMUM, Michx. Mountain Mint.

1. **incanum,** Michx. Mt. Holyoke, &c.
2. **muticum,** Pers.
3. **lanceolatum,** Pursh.
4. **linifolium,** Pursh.

6. ORIGANUM, L. Marjoram.

vulgare, L. Roadsides, Amherst.

7. CALAMINTHA, Moench.

Clinopodium, Benth. Wild Basil.

8. HEDEOMA, Pers.

pulegioides, Pers. Pennyroyal.

9. COLLINSONIA, L.

Canadensis, L. Horse-Balm.

10. MONARDA, L.

1. **didyma,** L. Roadsides, Leverett, &c.
2. **fistulosa,** L. Shelburne, *F. G. Tuckerman.*

11. BLEPHILIA, Raf.

hirsuta, Benth. Cummington, &c., *Hitchcock.*

12. LOPHANTHUS, Benth. Giant-Hyssop.

nepetoides, Benth. Deerfield, *Hitchcock.*

13. NEPETA, L.

1. **cataria**, L. Catnep.
2. **Glechoma**, Benth. Ground-Ivy.

14. BRUNELLA, Tourn.

vulgaris, L. Self-heal.

15. SCUTELLARIA, L. Skull-cap.

1. **galericulata**, L.
2. **lateriflora**, L.

16. MARRUBIUM, L.

vulgare, L. White Horehound. Waste places.

17. GALEOPSIS, L. Hemp-Nettle.

Tetrahit, L.

18. STACHYS, L. Woundwort.

palustris, L., var. **aspera**, Gray.

19. LEONURUS, L.

Cardiaca, L. Motherwort.

20. LAMIUM, L. Dead-Nettle.

1. **amplexicaule**, L. Cult. grounds.
2. **purpureum**, L. Waste places.

Order 55. BORRAGINACEÆ.

1. ECHIUM, Tourn.

vulgare, L. Viper's Bugloss. Roadsides near Greenfield, *F. G. Tuckerman.*

2. LYCOPSIS, L. Bugloss.

arvensis, L. Amherst, and Hatfield, *Hitchcock.*

3. SYMPHYTUM, Tourn.

officinale, L. Comfrey. Waste places; Belchertown, Leverett, &c.

4. ONOSMODIUM, Michx.

Virginianum, DC. Monson, *Hitchcock.*

5. MYOSOTIS, L.

1. **palustris**, With. Brattleborough, *Frost.*
2. **arvensis**, Hoffm. Hitchcock Catal.
3. **verna**, Nutt. Amherst, &c., *Jesup.*

6. ECHINOSPERMUM, Swartz.

Lappula, Lehm. Brattleborough, *Frost.*

7. CYNOGLOSSUM, Tourn. HOUND'S TONGUE.

1. **officinale,** L.
2. **Virginicum,** L. Brattleborough, *Frost.*
3. **Morisoni,** DC.

ORDER 56. **HYDROPHYLLACEÆ.**

HYDROPHYLLUM, L.

1. **Virginicum,** L.
2. **Canadense,** L. Windsor, *Hitchcock.*

ORDER 57. **CONVOLVULACEÆ.**

1. CALYSTEGIA, R. Br. BINDWEED.

1. **sepium,** R. Br.
2. **spithamæa,** Pursh.

2. CUSCUTA, Tourn. DODDER.

Gronovii, Willd.

ORDER 58. **SOLANACEÆ.**

1. SOLANUM, Tourn.

1. **Dulcamara,** L. BITTERSWEET.
2. **nigrum,** L. NIGHTSHADE.

2. PHYSALIS, L. GROUND CHERRY.

viscosa, L.

3. NICANDRA, Adans.

physaloides, Gaertn. APPLE OF PERU. Waste grounds.

4. HYOSCYAMUS, Tourn. HENBANE.

niger, L. Waste places.

5. DATURA, L. THORN-APPLE.

1. **Stramonium,** L.
2. **Tatula,** L.

ORDER 59. **GENTIANACEÆ.**

1. HALENIA, Borkh.

deflexa, Griseb. Cummington, *Jesup.*

2. GENTIANA, L. Gentian.

1. **quinqueflora,** Lam. Leverett, *Jesup.* Hoosac mtn., *Hitchcock.*
2. **crinita,** Froel.
3. **Andrewsii,** Griseb.

3. BARTONIA, Muhl.

tenella, Muhl.

4. MENYANTHES, Tourn.

trifoliata, L. BUCKBEAN.

5. LIMNANTHEMUM, Gmel.

lacunosum, Griseb. Plainfield, and southward.

ORDER 60. APOCYNACEÆ.

APOCYNUM, Tourn.

1. **androsæmifolium,** L. DOGBANE.
2. **cannabinum,** L. INDIAN HEMP.

ORDER 61. ASCLEPIADACEÆ.

1. ASCLEPIAS, L. MILKWEED.

1. **Cornuti,** Decaisne.
2. **phytolaccoides,** Pursh.
3. **purpurascens,** L.
4. **quadrifolia,** Jacq.
5. **incarnata,** L.
6. **obtusifolia,** Michx.
7. **tuberosa,** L. PLEURISY-ROOT.
8. **verticillata,** L.

2. ACERATES, Ell.

viridiflora, Ell. Worcester county, *Hitchcock;* probably within our limits.

3. VINCETOXICUM, Moench.

nigrum, Moench. Brattleborough, *Frost.*

ORDER 62. OLEACEÆ.

1. LIGUSTRUM, Tourn.

vulgare, L. PRIVET. Roadsides.

2. FRAXINUS, Tourn. ASH.

1. **Americana,** L. WHITE ASH.
2. **pubescens,** Lam. RED ASH.
3. **viridis,** Michx. f.
4. **sambucifolia,** Lam. BLACK ASH.

DIVISION III. APETALOUS.

ORDER 63. ARISTOLOCHIACEÆ.

1. ASARUM, Tourn.

Canadense, L. WILD GINGER.

2. ARISTOLOCHIA, Tourn.

serpentaria, L. VIRGINIA SNAKEROOT. Said to have been found at Turner's Falls.

ORDER 64. PHYTOLACCACEÆ.

PHYTOLACCA, Tourn.

decandra, L. POKE.

ORDER 65. CHENOPODIACEÆ.

1. CHENOPODIUM, L. GOOSE-FOOT.

1. **album**, L.
2. **hybridum**, L.
3. **Botrys**, L. OAK OF JERUSALEM.

2. BLITUM, Tourn. BLITE.

capitatum, L. Rare, *Hitchcock.*

ORDER 66. AMARANTACEÆ.

AMARANTUS, Tourn. AMARANTH.

1. **retroflexus**, L.
2. **albus**, L.

ORDER 67. POLYGONACEÆ.

1. POLYGONUM, L.

1. **orientale**, L. Waste places.
2. **Careyi**, Olney. East Amherst, &c., *C. H. Hitchcock.*
3. **Pennsylvanicum**, L. Shores of Conn. river.
4. **incarnatum**, Ell. Southwick, &c.
5. **Persicaria**, L.
6. **Hydropiper**, L.
7. **acre**, H. B. K.
8. **hydropiperoides**, Michx.
9. **amphibium**, L. Belchertown and Granby, *E. F. Bishop.* Ashfield, *Jesup.*
10. **Virginianum**, L.
11. **articulatum**, L.
12. **aviculare**, L. KNOTGRASS, & var. **erectum**, Roth.
13. **tenue**, Michx.
14. **arifolium**, L.
15. **sagittatum**, L.
16. **Convolvulus**, L.
17. **cilinode**, Michx.
18. **dumetorum**, L., var. **scandens**, Gray.

2. FAGOPYRUM, Tourn.

esculentum, Moench. BUCKWHEAT.

3. RUMEX, L. Dock.

1. **Patientia**, L. Patience. Amherst, *Tuckerman*, and common northward, *Jesup*.
2. **orbiculatus**, Gray. Great Water-Dock. Amherst, &c., *Jesup*, and northward, *Frost*.
3. **verticillatus**, L. Granby, *Jesup*.
4. **crispus**, L. Curled Dock.
5. **obtusifolius**, L. Bitter Dock.
6. **Acetosella**, L. Sheep's Sorrel.

Order 68. LAURACEÆ.

1. SASSAFRAS, Nees.

officinale, Nees. Sassafras.

2. LINDERA, Thunb.

Benzoin, Meissn. Spice-bush.

Order 69. THYMELEACEÆ.

DIRCA, L. Leatherwood.

palustris, L.

Order 70. SANTALACEÆ.

COMANDRA, Nutt.

umbellata, Nutt.

Order 71. CERATOPHYLLACEÆ.

CERATOPHYLLUM, L.

demersum, L. Ponds.

Order 72. CALLITRICHACEÆ.

CALLITRICHE, L.

verna, L.

Order 73. PODOSTEMACEÆ.

PODOSTEMON, Michx.

ceratophyllus, Michx. In Conn. river, *Hitchcock*.

Order 74. EUPHORBIACEÆ.

1. EUPHORBIA, L. Spurge.

1. **maculata**, L.
2. **hypericifolia**, L.
3. **Cyparissias**, L. Cypress-Spurge.

2. ACALYPHA, L. Three-seed Mercury.

Virginica, L.

ORDER 75. **URTICACEÆ.**

1. ULMUS, L. ELM.

1. **fulva,** Michx. SLIPPERY ELM.
2. **Americana,** L., Willd. ELM.

2. CELTIS, Tourn. NETTLE-TREE.

1. **occidentalis,** L.
2. **crassifolia,** Lam. Hadley, *Tuckerman.*

3. MORUS, Tourn. MULBERRY.

rubra, L.

4. URTICA, Tourn. NETTLE.

1. **gracilis,** Ait. TALL NETTLE.
2. **urens,** L. SMALL NETTLE.

5. LAPORTEA, Gaudich.

Canadensis, Gaudich.

6. PILEA, Lindl.

pumila, Gray.

7. BOEHMERIA, Jacq.

cylindrica, Willd.

8. PARIETARIA, Tourn. PELLITORY.

Pennsylvanica, Muhl. Sugar Loaf, &c.

9. CANNABIS, Tourn.

sativa, L. HEMP.

10. HUMULUS, L.

Lupulus, L. HOP.

ORDER 76. **PLATANACEÆ.**

PLATANUS, L. SYCAMORE.

occidentalis, L. BUTTONWOOD.

ORDER 77. **JUGLANDACEÆ.**

1. JUGLANS, L. WALNUT.

cinerea, L. BUTTERNUT.

2. CARYA, Nutt. HICKORY.

1. **alba,** Nutt. SHAG-BARK.
2. **porcina,** Nutt. PIG-NUT.
3. **amara,** Nutt. BITTER-NUT.

ORDER 78. **CUPULIFERÆ.**

1. QUERCUS, L. OAK.

1. **alba,** L. (WHITE OAK.)

2. **bicolor,** Willd. SWAMP WHITE OAK.
3. **Prinus,** L., var. **monticola,** Michx., & var. **acuminata,** Michx. CHESTNUT OAK.
4. **prinoides,** Willd. CHINQUAPIN OAK.
5. **ilicifolia,** Wang. SCRUB OAK.
6. **coccinea,** Wang. SCARLET OAK, & var. **tinctoria,** Gray. BLACK OAK.
7. **rubra,** L. RED OAK.
8. **palustris,** Du Roi. PIN OAK.

2. CASTANEA, Tourn. CHESTNUT.

vesca, L., var. **Americana,** Michx.

3. FAGUS, Tourn. BEECH.

ferruginea, Ait.

4. CORYLUS, Tourn. HAZEL.

1. **Americana,** Walt.
2. **rostrata,** Ait. BEAKED HAZEL.

5. OSTRYA, Mich.

Virginica, Willd. IRON-WOOD.

6. CARPINUS, L.

Americana, Michx. HORNBEAM.

ORDER 79. MYRICACEÆ.

1. MYRICA, L.

1. **Gale,** L. SWEET GALE. Belchertown, &c.
2. **cerifera,** L. BAYBERRY. Conway, &c.

2. COMPTONIA, Soland.

asplenifolia, Ait. SWEET-FERN.

ORDER 80. BETULACEÆ.

1. BETULA, Tourn. BIRCH.

1. **lenta,** L. BLACK BIRCH.
2. **lutea,** Michx. f. YELLOW BIRCH.
3. **alba,** L., var. **populifolia,** Spach. WHITE BIRCH.
4. **papyracea,** Ait. CANOE BIRCH.
5. **pumila,** L. Amherst region, Eaton Man.

2. ALNUS, Tourn. ALDER.

1. **viridis,** DC. MOUNTAIN ALDER. Conway, *Jesup.*
2. **incana,** Willd. HOARY ALDER.
3. **serrulata,** Ait.

Order 81. **SALICACEÆ.**

1. **SALIX**, Tourn. Willow.

1. **tristis**, Ait.
2. **humilis**, Marsh.
3. **discolor**, Muhl.
4. **sericea**, Marsh.
5. **purpurea**, L. Near Conway, *Jesup.*
6. **cordata**, Muhl.
7. **livida**, Wahl., var. **occidentalis**, Gray.
8. **lucida**, Muhl.
9. **nigra**, Marsh.
10. **fragilis**, L. Brittle Willow.
11. **alba**, L. White Willow; & var. **vitellina**, Yellow Willow.
12. **longifolia**, Muhl. Islands of Conn. river, *Jesup.*
13. **myrtilloides**, L. Deerfield, *Tuckerman.*

2. **POPULUS**, Tourn. Poplar.

1. **tremuloides**, Michx. Aspen.
2. **grandidentata**, Michx. Great Aspen.
3. **monilifera**, Ait. Cotton-wood.
4. **balsamifera**, L. Balsam Poplar.

Sub-class II. GYMNOSPERMÆ.

Order 82. **CONIFERÆ.**

1. **PINUS**, Tourn. Pine.

1. **rigida**, Mill. Pitch Pine.
2. **resinosa**, Ait. Red Pine.
3. **Strobus**, L. White Pine.

2. **ABIES**, Tourn. Spruce.

1. **nigra**, Poir. Black Spruce.
2. **alba**, Michx. White Spruce.
3. **Canadensis**, Michx. Hemlock Spruce.
4. **balsamea**, Marsh. Balsam Fir.

3. **LARIX**, Tourn. Larch.

Americana, Michx. Hackmatack.

4. **JUNIPERUS**, L. Juniper.

1. **communis**, L. Com. Juniper.
2. **Virginiana**, L. Red Cedar.

5. **TAXUS**, Tourn. Yew.

baccata, L., var. **Canadensis**, Gray.

Class II. MONOCOTYLEDONOUS or ENDOGENOUS PLANTS.

Order 83. ARACEÆ.

1. ARISÆMA, Mart.

1. **triphyllum,** Torr. Indian Turnip.
2. **Dracontium,** Schott. Green Dragon. Deerfield, Belchertown, &c.

2. PELTANDRA, Raf.

Virginica, Raf. Belchertown.

3. CALLA, L.

palustris, L.

4. SYMPLOCARPUS, Salisb.

fœtidus, Salisb. Skunk's Cabbage.

5. ORONTIUM, L.

aquaticum, L. Golden Club. Hampton Pond, *Tuckerman.* Southwick, *Porter.*

6. ACORUS, L.

Calamus, L. Sweet Flag.

Order 84. LEMNACEÆ.

LEMNA, L. Duckweed.

1. **trisulca,** L.
2. **minor,** L.
3. **polyrrhiza,** L.

Order 85. TYPHACEÆ.

1. TYPHA, Tourn.

latifolia, L. Cat's-tail.

2. SPARGANIUM, Tourn. Bur-reed.

simplex, Huds.

Order 86. NAIADACEÆ.

1. NAIAS, L.

flexilis, Rostk.

2. POTAMOGETON, Tourn. Pondweed.

1. **natans,** L.
2. **Oakesianus,** Robbins.
3. **Claytonii,** Tuckerm.
4. **Spirillus,** Tuckerm.
5. **hybridus,** Michx.
6. **rufescens,** Schrad.

7. **lonchites,** Tuckerm. Conn. river, &c.
8. **pulcher,** Tuckerm. S. Pond, Belchertown.
9. **amplifolius,** Tuckerm.
10. **gramineus,** L.
11. **lucens,** L. Leverett Pond.
12. **prælongus,** Wulf.
13. **perfoliatus,** L.
14. **compressus,** L.
15. **obtusifolius,** Mert. & Koch. Ford's Pond, Granby.
16. **pauciflorus,** Pursh.
17. **pusillus,** L., v. **vulgaris,** Fr., & v.
18. **pectinatus,** L. Conn. river.
19. **Robbinsii,** Oakes.

Order 87. ALISMACEÆ.

1. SCHEUCHZERIA, L.

palustris, L. Belchertown Ponds.

2. ALISMA, L.

Plantago, L., var. **Americanum,** Gray.

3. SAGITTARIA, L.

1. **variabilis,** Engelm.
2. **heterophylla,** Pursh.
3. **graminea,** Michx.

Order 88. HYDROCHARIDACEÆ.

1. ANACHARIS, Rich.

Canadensis, Planch.

2. VALLISNERIA, Mich.

spiralis, L.

Order 89. ORCHIDACEÆ.

1. ORCHIS, L.

spectabilis, L.

2. HABENARIA, Willd., R. Br.

1. **tridentata,** Hook.
2. **virescens,** Spreng.
3. **viridis,** var. **bracteata,** Reichenb.
4. **hyperborea,** R. Br.
5. **dilatata,** Gray.
6. **Hookeri,** Torr.
7. **orbiculata,** Torr.
8. **ciliaris,** R. Br. East Amherst, *C. H. Hitchcock.* Easthampton, *Clark.*
9. **blephariglottis,** Hook.

10. **lacera**, R. Br.
11. **psychodes**, Gray.
12. **fimbriata**, R. Br.

3. GOODYERA, R. Br.

1. **repens**, R. Br.
2. **pubescens**, R. Br. Rattlesnake Leaf.

4. SPIRANTHES, Rich. Lady's Tresses.

1. **latifolia**, Torr. Amherst, *G. L. Goodale.* Conway, *Jesup.*
2. **cernua**, Rich.
3. **gracilis**, Bigel.

5. LISTERA, R. Br. Twayblade.

cordata, R. Br. Plainfield, *Porter.*

6. ARETHUSA, Gronov.

bulbosa, L.

7. POGONIA, Juss.

1. **ophioglossoides**, Nutt.
2. **pendula**, Lindl. Deerfield, *Hitchcock.*
3. **verticillata**, Nutt. Amherst and Deerfield.

8. CALOPOGON, R. Br.

pulchellus, R. Br.

9. TIPULARIA, Nutt.

discolor, Nutt. Deerfield, *Hitchcock.*

10. MICROSTYLIS, Nutt.

ophioglossoides, Nutt. Deerfield, *Hitchcock.*

11. LIPARIS, Rich.

1. **liliifolia**, Rich.
2. **Loeselii**, Rich.

12. CORALLORRHIZA, Hall. Coral-root.

1. **innata**, R. Br. Amherst, *Clark*, and northward, *Frost.*
2. **odontorrhiza**, Nutt.
3. **multiflora**, Nutt, Easthampton, *E. Hitchcock.* Mt. Toby, *Jesup.*

13. APLECTRUM, Nutt.

hyemale, Nutt. Mt. Holyoke, and Conway, *Hitchcock.*

14. CYPRIPEDIUM, L. Lady's Slipper.

1. **arietinum**, R. Br. Mt. Toby, *Clark.*
2. **parviflorum**, Salisb. Mt. Holyoke. Shelburne, *F. G. Tuckerman.*
3. **pubescens**, Willd.
4. **spectabile**, Swartz. Deerfield, *Hitchcock.* Easthampton, *Clark.* Mt. Holyoke, *Jesup.*
5. **acaule**, Ait.

ORDER 90. **AMARYLLIDACEÆ.**

HYPOXYS, L.

erecta, L. STAR-GRASS.

ORDER 91. **HÆMODORACEÆ.**

ALETRIS, L.

farinosa, L.

ORDER 92. **IRIDACEÆ.**

1. IRIS, L. FLOWER DE LUCE.

versicolor, L.

2. SISYRINCHIUM, L.

Bermudiana, L. BLUE-EYE.

ORDER 93. **SMILACEÆ.**

SMILAX, Tourn.

1. **rotundifolia**, L. GREEN BRIAR.
2. **herbacea**, L. JACOB'S LADDER.

ORDER 94. **LILIACEÆ.**

1. TRILLIUM, L. WAKE ROBIN.

1. **grandiflorum**, Salisb. Pelham, *Hitchcock*.
2. **erectum**, L.
3. **cernuum**, L.
4. **erythrocarpum**, Michx.

2. MEDEOLA, Gronov.

Virginica, L. INDIAN CUCUMBER.

3. VERATRUM, Tourn.

viride, Ait. WHITE HELLEBORE.

4. UVULARIA, L. BELLWORT.

1. **grandiflora**, Sm. Berkshire, *Oakes;* probably within our limit.
2. **perfoliata**, L.
3. **sessilifolia**, L.

5. STREPTOPUS, Michx.

1. **amplexifolius**, DC. Pelham, Deerfield, &c.
2. **roseus**, Michx. Mt. Toby, &c.

6. CLINTONIA, Raf.

borealis, Raf.

7. SMILACINA, Desf.

1. **racemosa**, Desf.
2. **stellata**, Desf.

3. trifolia, Desf. Pelham, and Cummington, *Hitchcock*.
4. bifolia, Ker.

8. POLYGONATUM, Tourn. Solomon's Seal.

1. biflorum, Ell.
2. giganteum, Dietr.

9. ASPARAGUS, L.

officinalis, L.

10. LILIUM, L. Lily.

1. Philadelphicum, L.
2. Canadense, L.
3. superbum, L.

11. ERYTHRONIUM, L. Dog's Tooth.

Americanum, Smith.

12. ORNITHOGALUM, Tourn.

umbellatum, L. Star-of-Bethlehem. In grass land, Amherst.

13. ALLIUM, L. Onion.

1. tricoccum, Ait. Wild Leek.
2. Canadense, Kalm. Meadow Garlic.

14. HEMEROCALLIS, L. Day-Lily.

fulva, L. Roadsides.

Order 95. JUNCACEÆ.

1. LUZULA, DC. Wood-rush.

1. pilosa, Willd.
2. campestris, DC.

2. JUNCUS, L. Rush.

1. effusus, L. Soft Rush.
2. filiformis, L. Hadley meadows.
3. marginatus, Rostk. Amherst, &c.
4. bufonius, L. Toad Rush.
5. tenuis, Willd.
6. pelocarpus, E. Mey. Shores of Lock's Pond, &c., *Tuckerman*.
7. articulatus, L. Mill Hollow, Amherst, &c.
8. acuminatus, Michx., var. legitimus, Engelm.
9. nodosus, L. Hockanum; Whitmore's Ferry, &c.
10. Canadensis, J. Gay, var. longicaudatus, Eng., & v. coarctatus, Eng.

Order 96. PONTEDERIACEÆ.

1. PONTEDERIA, L.

cordata, L., & var. angustifolia, Torr. Pickerel-weed.

2. SCHOLLERA, Schreb.

graminea, Willd.

Order 97. XYRIDACEÆ.

XYRIS, L.

flexuosa, Muhl., Chapm., & var. **pusilla**, Gray. At Lock's Pond, &c.

Order 98. ERIOCAULONACEÆ.

ERIOCAULON, L. Pipewort.

septangulare, With.

Order 99. CYPERACEÆ.

1. CYPERUS, L. Galingale.

1. **diandrus**, Torr.
2. **inflexus**, Muhl.
3. **dentatus**, Torr.
4. **phymatodes**, Muhl.
5. **strigosus**, L.
6. **Michauxianus**, Schult. Hadley meadows, *Jesup*.
7. **filiculmis**, Vahl.

2. DULICHIUM, Rich.

spathaceum, Pers.

3. HEMICARPHA, Nees.

subsquarrosa, Nees.

4. ELEOCHARIS, R. Br. Spike-rush.

1. **Robbinsii**, Oakes. Ponds.
2. **obtusa**, Schult.
3. **olivacea**, Torr. Leverett Pond, *Jesup*.
4. **palustris**, R. Br.
5. **intermedia**, Schult.
6. **tenuis**, Schult.
7. **acicularis**, R. Br.

5. SCIRPUS, L. Club-rush.

1. **planifolius**, Muhl.
2. **subterminalis**, Torr.
3. **pungens**, Vahl.
4. **Torreyi**, Olney. Pond in Hadley meadows, &c., *Tuckerman*.
5. **validus**, Vahl. Bull-rush.
6. **debilis**, Pursh.
7. **atrovirens**, Muhl.
8. **polyphyllus**, Vahl.
9. **lineatus**, Michx. Plainfield, *Porter*.
10. **Eriophorum**, Michx.

6. ERIOPHORUM, L. Cotton-grass.

1. **alpinum,** L. Cranberry Pond, Leverett, &c., *Tuckerman.*
2. **vaginatum,** L. Belchertown S. pond, *Jesup.*
3. **Virginicum,** L.
4. **polystachyon,** L., v. **angustifolium,** & v. **latifolium.**
5. **gracile,** Koch. Leverett, &c., with 1, *Tuckerman.*

7. FIMBRISTYLIS, Vahl.

1. **autumnalis,** Roem. & Schult.
2. **capillaris,** Gray.

8. RHYNCHOSPORA, Vahl. Beak-rush.

1. **fusca,** Roem & Schult. Leverett Pond, *Tuckerman.*
2. **alba,** Vahl.
3. **glomerata,** Vahl.
4. **macrostachya,** Torr. Belchertown, and Leverett, *Hitchcock.*

9. CLADIUM, P. Browne.

mariscoides, Torr. Belchertown, Leverett, &c., *Hitchcock.*

10. SCLERIA, L.

triglomerata, Michx. Whip-grass. Amherst, *Jesup.* Hadley, &c., *Hitchcock.*

11. CAREX, L. Sedge.

1. **pauciflora,** Lightf. Ashfield; *Porter.*
2. **polytrichoides,** Muhl.
3. **Backii,** Boott. Mt. Tom, *Prof. W. D. Whitney.*
4. **bromoides,** Schk.
5. **siccata,** Dew. Westfield, *Rev. Dr. Davis.*
6. **teretiuscula,** Good., & var. **major,** Koch. Deerfield, *Hitchcock.*
7. **vulpinoidea,** Michx.
8. **stipata,** Muhl.
9. **sparganioides,** Muhl.
10. **cephalophora,** Muhl.
11. **Muhlenbergii,** Schk. Hadley, &c., *Tuckerman.*
12. **rosea,** Schk.
13. **retroflexa,** Muhl.
14. **tenella,** Schk.
15. **trisperma,** Dew.
16. **tenuiflora,** Wahl. Southampton, *Chapman.*
17. **canescens,** L., & var. **vitilis,** Gray.
18. **Deweyana,** Schwein.
19. **sterilis,** Willd.
20. **stellulata,** L., var. **scirpoides,** Boott.
21. **scoparia,** Schk.
22. **lagopodioides,** Schk.
23. **cristata,** Schwein., var. **mirabilis,** Boott.
24. **adusta,** Boott. Hadley, &c., *Tuckerman.*

25. **straminea**, Schk., & var's **tenera**, Boott; **aperta**, Boott; & **festucacea**, Tuckerm.
26. **torta**, Boott.
27. **stricta**, Lam.
28. **crinita**, Lam.
29. **limosa**, L. Ashfield; *Porter.*
30. **Buxbaumii**, Wahl.
31. **aurea**, Nutt. Conway, *Jesup.*
32. **tetanica**, Schk. Amherst, Hitchcock Catal. Mass.
33. **granularis**, Muhl. Amherst, *Hitchcock,* and northward, *Frost.*
34. **pallescens**, L.
35. **conoidea**, Schk.
36. **grisea**, Wahl.
37. **glaucodea**, Tuckerm. Mt. Holyoke, &c.
38. **Davisii**, Schwein. & Torr. N. Hadley.
39. **formosa**, Dew. Amherst, Hitchcock Catal. Mass.
40. **gracillima**, Schwein.
41. **virescens**, Muhl.
42. **triceps**, Michx.
43. **plantaginea**, Lam. Mt. Toby, *Jesup.*
44. **platyphylla**, Carey. Mt. Holyoke, &c.
45. **retrocurva**, Dew. Amherst, &c.
46. **digitalis**, Willd.
47. **laxiflora**, Lam., & v. **plantaginea**, Boott, & v. **blanda**, Boott.
48. **pedunculata**, Muhl. Mt. Holyoke, &c.
49. **umbellata**, Schk.
50. **Novæ Angliæ**, Schwein.
51. **Emmonsii**, Dew.
52. **Pennsylvanica**, Lam.
53. **varia**, Muhl.
54. **pubescens**, Muhl.
55. **miliacea**, Muhl.
56. **scabrata**, Schwein.
57. **arctata**, Boott. Leyden, *Hitchcock.*
58. **debilis**, Michx.
59. **flava**, L.
60. **filiformis**, L.
61. **lanuginosa**, Michx.
62. **vestita**, Willd.
63. **polymorpha**, Muhl. Westfield, *Rev. Dr. Davis.*
64. **riparia**, Curt.
65. **trichocarpa**, Muhl. Amherst, Hitchcock Catal. Mass.
66. **comosa**, Boott.
67. **hystricina**, Willd.
68. **tentaculata**, Muhl., & v. **altior**, Boott.
69. **intumescens**, Rudge.
70. **lupulina**, Muhl.

71. **folliculata,** L.
72. **squarrosa,** L. Hadley, *Hitchcock.*
73. **retrorsa,** Schwein. Plainfield, *Hitchcock.*
74. **utriculata,** Boott.
75. **Monile,** Tuckerm.
76. **Tuckermani,** Boott.
77. **longirostris,** Torr.

ORDER 100. **GRAMINEÆ.** GRASSES.

1. LEERSIA, Soland.

1. **Virginica,** Willd.
2. **oryzoides,** Swartz.

2. ZIZANIA, Gronov.

aquatica, L. WILD RICE. Northampton.

3. ALOPECURUS, L. FOX-TAIL GRASS.

1. **pratensis,** L.
2. **geniculatus,** L.
3. **aristulatus,** Michx. Amherst, &c., *Tuckerman.*

4. PHLEUM, L. CAT'S-TAIL GRASS.

pratense, L. HERD'S GRASS.

5. VILFA, Adans., Beauv.

vaginæflora, Torr.

6. SPOROBOLUS, R. Br.

serotinus, Gray.

7. AGROSTIS, L. BENT-GRASS.

1. **perennans,** Tuckerm.
2. **scabra,** Willd.
3. **vulgaris,** With. RED-TOP.
4. **alba,** L. WHITE-TOP.

8. CINNA, L.

arundinacea, L.

9. MUHLENBERGIA, Schreb.

1. **sobolifera,** Trin.
2. **glomerata,** Trin.
3. **Mexicana,** Trin.
4. **sylvatica,** Torr. & Gr.
5. **Willdenovii,** Trin.
6. **diffusa,** Schreb. Amherst, *Jesup.*
7. **capillaris,** Kunth. HAIR-GRASS. Sugar-Loaf, &c., *Cooley.*

10. BRACHYELYTRUM, Beauv.

aristatum, Beauv.

11. CALAMAGROSTIS, Adans. Small-reed.

1. **Canadensis,** Beauv.
2. **Nuttalliana,** Steud.

12. ORYZOPSIS, Michx.

1. **melanocarpa,** Muhl.
2. **asperifolia,** Michx.
3. **Canadensis,** Torr.

13. ARISTIDA, L.

1. **dichotoma,** Michx.
2. **purpurascens,** Poir. Mt. Holyoke, *Hitchcock.* West Springfield, *Dr. Robbins.*

14. SPARTINA, Schreb.

cynosuroides, Willd. Shores of Conn. river, *Tuckerman.*

15. ELEUSINE, Gaertn.

Indica, Gaertn. Amherst, rare, *Hitchcock.*

16. TRICUSPIS, Beauv.

seslerioides, Torr. Sugar-loaf, *Hitchcock.*

17. DACTYLIS, L.

glomerata, L. Orchard Grass.

18. EATONIA, Raf.

1. **obtusata,** Gray.
2. **Pennsylvanica,** Gray.

19. GLYCERIA, R. Br., Trin.

1. **Canadensis,** Trin.
2. **elongata,** Trin.
3. **nervata,** Trin.
4. **pallida,** Trin.
5. **aquatica,** Smith.
6. **fluitans,** R. Br.
7. **acutiflora,** Torr. Amherst.

20. POA, L. Meadow-Grass.

1. **annua,** L.
2. **compressa,** L.
3. **serotina,** Ehrh.
4. **pratensis,** L. English Grass.
5. **trivialis,** L.
6. **flexuosa,** Muhl. Amherst? **P. nemoralis** of Hitchcock Catal.?

21. ERAGROSTIS, Beauv.

1. **reptans,** Nees.
2. **poæoides,** Beauv. Amherst; rare.
3. **pilosa,** Beauv. Amherst, *Tuckerman.*

4. capillaris, Nees.
5. pectinacea, Gray.

22. BRIZA, L. Quaking-Grass.

[media, L. Amherst, rare, *Tuckerman*.]

23. FESTUCA, L. Fescue-Grass.

1. tenella, Willd.
2. ovina, L. Sheep's Fescue, & var. duriuscula, Koch., & v. glauca, Koch.
3. elatior, L., & var. pratensis.

24. BROMUS, L. Brome-Grass.

1. secalinus, L. Chess. Wheat fields, &c.
2. Kalmii, Gray.
3. ciliatus, L.

25. PHRAGMITES, Trin.

communis, Trin. Reed. S. Amherst, *Hitchcock*.

26. NARDUS, L.

[stricta, L. Mat-grass. In poor grass-land, Amherst, since 1871, *Tuckerman*.]

27. LOLIUM, L. Darnel.

perenne, L.

28. TRITICUM, L. Wheat.

1. repens, L. Witch-grass.
2. caninum, L. Mt. Holyoke, Leverett, &c.

29. ELYMUS, L. Lyme-Grass.

1. Virginicus, L.
2. Canadensis, L.
3. striatus, L.

29. GYMNOSTICHUM, Schreb.

Hystrix, Schreb.

30. DANTHONIA, DC.

1. spicata, Beauv.
2. compressa, Austin. Shutesbury, &c., *Jesup*.

31. TRISETUM, Pers.

1. subspicatum, Beauv., var. molle, Gray. Nonotuck, *Tuckerman*.
2. palustre, Torr. Amherst, Hitchcock Catal.

32. AIRA, L. Hair-Grass.

1. flexuosa, L.
2. cæspitosa, L. Hadley meadows.

33. ARRHENATHERUM, Beauv.

avenaceum, Beauv.

34. HOLCUS, L., part. Soft-Grass.

lanatus, L. Grass-land, Amherst, *Tuckerman.*

35. ANTHOXANTHUM, L.

odoratum, L. Sweet Grass.

36. PHALARIS, L. Canary Grass.

arundinacea, L.

37. PASPALUM, L.

setacum, Michx.

38. PANICUM, L. Panic-Grass.

1. filiforme, L.
2. glabrum, Gaud. Amherst, and Hadley.
3. sanguinale, L.
4. agrostoides, Spreng.
5. proliferum, Lam. Amherst, &c., *Tuckerman.*
6. capillare, L.
7. virgatum, L.
8. latifolium, L.
9. clandestinum, L.
10. pauciflorum, Ell. Mt. Holyoke, *Jesup.*
11. dichotomum, L.
12. depauperatum, Muhl.
13. crus-Galli, L.

39. SETARIA, Beauv.

1. glauca, Beauv.
2. viridis, Beauv.
3. Italica, Kunth.

40. CENCHRUS, L.

tribuloides, L. River bank, Hadley.

41. ANDROPOGON, L.

1. furcatus, Muhl.
2. scoparius, Michx.

42. SORGHUM, Pers.

nutans, Gray.

SERIES II.

CRYPTOGAMOUS OR FLOWERLESS PLANTS.

CLASS III. ACROGENS.

ORDER 101. EQUISETACEÆ.

EQUISETUM, L. HORSETAIL.

1. **arvense**, L.
2. **sylvaticum**, L.
3. **limosum**, L.
4. **hyemale**, L. SCOURING RUSH.
5. **variegatum**, Schleich. Conway, *Jesup*.
6. **scirpoides**, Michx. Plainfield, *Porter*.

ORDER 102. FILICES.

1. POLYPODIUM, L.

vulgare, L. POLYPODY.

2. PELLÆA, Link.

1. **gracilis**, Hook. Mt. Toby, *Tuckerman*.
2. **atropurpurea**, Link. Mt. Toby, *Hitchcock*.

3. PTERIS, L.

aquilina, L. BRAKE.

4. ADIANTUM, L. MAIDENHAIR.

pedatum, L.

5. WOODWARDIA, Smith.

1. **Virginica**, Smith. Belchertown, *Jesup*.
2. **angustifolia**, Smith. Hadley, *Jesup*. Deerfield, *Hitchcock*.

6. CAMPTOSORUS, Link.

rhizophyllus, Link. WALKING-LEAF. Mt. Toby, &c., *Hitchcock*.

7. ASPLENIUM, L. SPLEENWORT.

1. **Trichomanes**, L.
2. **ebeneum**, Ait.
3. **Ruta-muraria**, L. WALL-RUE. Mt. Toby, *Hitchcock*.
4. **angustifolium**, Michx. Mt. Toby, *Hitchcock*.
5. **thelypteroides**, Michx. Amherst, &c.
6. **Filix-fœmina**, Bernh.

8. PHEGOPTERIS, Fée.

1. **polypodioides**, Fée.
2. **hexagonoptera**, Fée.
3. **Dryopteris**, Fée.

9. ASPIDIUM, Swartz.

1. **Thelypteris,** Swartz.
2. **Noveboracense,** Swartz.
3. **spinulosum,** Swartz, *a,* Brattleborough, *Frost,* & var. **intermedium,** D. C. Eat., var. **dilatatum,** Gray, and var. **Boottii,** Gray.
4. **cristatum,** Swartz, & var. **Clintonianum,** Eat.
5. **Goldianum,** Hook. Mt. Toby, *Hitchcock.*
6. **marginale,** Swartz.
7. **acrostichoides,** Swartz.
8. **aculeatum,** Swartz., var. **Braunii,** Koch. Brattleborough, *Frost.*

10. STRUTHIOPTERIS, Willd.

Germanica, Willd.

11. ONOCLEA, L.

sensibilis, L.

12. CYSTOPTERIS, Bernh.

1. **bulbifera,** Bernh. Mt. Toby.
2. **fragilis,** Bernh. Mt. Holyoke, &c.

13. WOODSIA, R. Br.

1. **obtusa,** Torr.
2. **Ilvensis,** R. Br.

14. DICKSONIA, L'Her.

punctilobula, Kunze.

15. LYGODIUM, Swartz.

palmatum, Swartz. Climbing Fern.

16. OSMUNDA, L.

1. **regalis,** L. Osmund-royal.
2. **Claytoniana,** L.
3. **cinnamomea,** L.

17. BOTRYCHIUM, Swartz. Moonwort.

1. **simplex,** Hitchcock. Conway, *Hitchcock.* Plainfield, &c., *Porter.*
2. **matricariæfolium,** Milde. Conway, &c., *Jesup.*
3. **lanceolatum,** Angstr. Amherst, *L. B. Tuckerman.* Conway, &c., *Jesup.*
4. **ternatum,** Swartz, var. **lunarioides,** Milde, & var's **obliquum,** & **dissectum,** Milde.
5. **Virginicum,** Swartz.

18. OPHIOGLOSSUM, L.

vulgatum, L. Adder's-Tongue.

Order 103. LYCOPODIACEÆ.

1. LYCOPODIUM, L., Spring. Club-Moss.

1. **lucidulum,** Michx.

2. **inundatum,** L. Amherst, &c.
3. **annotinum,** L.
4. **dendroideum,** Michx.
5. **clavatum,** L. True Club-Moss.
6. **complanatum,** L. Ground-Pine, & var. **sabinæfolium,** Gray.

2. SELAGINELLA, Beauv., Spring.

1. **rupestris,** Spring.
2. **apus,** Spring.

3. ISOETES, L. Quillwort.

1. **echinospora,** Durieu.
2. **riparia,** Engelm.
3. **Engelmanni,** Braun.

Class IV. ANOPHYTES.

Order 104. MUSCI. Mosses.

(By C. C. Frost.)

1. SPHAGNUM, Dill. Peat-Moss.

1. **cymbifolium,** Dill. Bogs and swamps.
2. **Lescurii,** Sulliv. Shores of ponds.
3. **squarrosum,** Pers. Bogs and swamps.
4. **acutifolium,** Ehrh. Bogs and swamps.
5. **cuspidatum,** Ehrh. Bogs and swamps.

2. ANDRÆA, Ehrh.

rupestris, Tourn. Rocks in mountains.

3. PHASCUM, L.

1. **muticum,** Schreb. Moist ground.
2. **cuspidatum,** Schreb. Old fields, &c.
3. **alternifolium,** Brid. Fields, &c.
4. **subulatum,** Schreb. Old fields.
5. **Sullivantii,** Schimp. Moist ground.

4. BRUCHIA, Schwaegr.

flexuosa, Schwaegr. Damp grounds.

5. GYMNOSTOMUM, Hedw.

1. **curvirostrum,** Hedw. Rocks.
2. **rupestris,** Schwaegr. Wet rocks.

6. WEISIA, Hedw.

viridula, Brid. Old fields, hillsides.

7. TREMATODON, Rich.

longicollis, Rich. Clayey and sandy soils.

8. DICRANUM, Hedw.

1. **pellucidum,** Hedw. Rocks near streams.
2. **varium,** Hedw. Clayey banks.
3. **rufescens,** Turn. Clayey banks.
4. **heteromallum,** Hedw. Moist grounds.
5. **flagellare,** Hedw. Decaying logs in woods.
6. **interruptum,** Br. & Sch. Rocks.
7. **longifolium,** Hedw. Shaded rocks.
8. **scoparium,** L. Earth and decaying logs in woods.
9. **undulatum,** Turn. Earth in dry woods.
10. **Drummondii,** Müll. Cold woods.

9. CERATODON, Brid.

purpureum, Brid. Earth.

10. LEUCOBRYUM, Hampe.

1. **glaucum,** Hampe. Roots of trees and swampy ground.
2. **minus,** Hampe. Earth in dry woods.

11. FISSIDENS, Hedw.

1. **minutulus,** Sulliv. Damp rocks in shaded ravines.
2. **bryoides,** Hedw. Shady rocks.
3. **osmundioides,** Hedw. Roots of trees in swamps.
4. **subbasilaris,** Hedw. Decaying logs, &c.
5. **adiantoides,** Hedw. Moist places and wet rocks.

12. CONOMITRIUM, Mont.

Julianum, Mont. Shallow streams.

13. TRICHOSTOMUM, Br. & Schimp.

1. **tortile,** Schrad. Clay banks, roadsides.
2. **vaginans,** Sulliv. Roadsides, and ditches.
3. **pallidum,** Hedw. Clayey grounds.
4. **glaucescens,** Hedw. Dry hillsides.

14. BARBULA, Hedw.

1. **unguiculata,** Hedw. Clayey soils.
2. **cæspitosa,** Schwaegr. Woods about roots of trees.
3. **convoluta,** Hedw. Woods and moist banks.
4. **mucronifolia,** Br. & Sch. Rocky banks of streams.
5. **fallax,** var. **brevifolia,** Muhl. Rocks near streams.

15. POTTIA, Ehrh.

truncata, Br. Schimp. Earth.

16. TETRAPHIS, Hedw.

pellucida, Hedw. Earth in woods.

17. ENCALYPTA, Schreb.

ciliata, Hedw. Rocks in woods.

18. DRUMMONDIA, Hook.

clavellata, Hook. Bark of trees.

19. ORTHOTRICHUM, Hedw.

1. **obtusifolium,** Schrad. Trees.
2. **strangulatum,** Beauv. Trees.
3. **Canadense,** Br. & Schimp. Trees.
4. **Ludwigii,** Schwaegr. Trees.
5. **Hutchinsiæ,** Smith. Trees, &c.
6. **crispum,** Hedw. Rocks.

20. SCHISTIDIUM, Br. & Schimp.

apocarpum, Br. & Schimp. Rocks.

21. GRIMMIA, Ehrh.

1. **Olneyi,** Sulliv. Rocks near streams.
2. **Pennsylvanica,** Schwaegr. Rocks and stones.
3. **Donniana,** Smith. Old stone walls.

22. RACOMITRIUM, Br. & Schimp.

1. **aciculare,** Brid. Mountain streams.
2. **fasciculare,** Brid. Moist rocks.
3. **ellipticum,** Br. & Sch. Moist rocks.

23. HEDWIGIA, Ehrh.

ciliata, Ehrh. Rocks and bowlders.

24. BUXBAUMIA, Haller.

aphylla, Haller. Around stumps in woods.

25. DIPHYSCIUM, Web. & Mohr.

foliosum, Web. & Mohr. Clayey, or barren soil.

26. ATRICHUM, Beauv.

1. **undulatum,** Beauv. Moist clay banks.
2. **angustatum,** Beauv. Shady woods and swamps.
3. **crispum,** James. Banks of streams.

27. POGONATUM, Beauv.

1. **brevicaule,** Brid. Moist clayey banks.
2. **urnigerum,** Brid. Mountains.

28. POLYTRICHUM, Brid.

1. **commune,** L. Shady moist places.
2. **formosum,** Hedw. Base of trees in woods.
3. **Juniperinum,** Hedw. Margins of woods.
4. **piliferum,** Schreb. Rocky places.

29. AULACOMNIUM, Schwaegr.

1. **heterostichum,** Br. & Sch. Shady banks.
2. **palustre,** Schwaegr. Swamps.

30. BRYUM, Br. & Schimp.

1. **pyriforme,** Hedw. Earth in burnt woods.
2. **crudum,** Schreb. Moist banks.
3. **annotinum,** Hedw. Mountains.
4. **nutans,** Schreb. Moist shady soil.
5. **roseum,** Schreb. Base of trees in woods.
6. **Wahlenbergii,** Schwaegr. Springy places.
7. **argenteum,** L. Roofs, walks, pavements, etc.
8. **pseudo-triquetrum,** Schwaegr. Wet rocks.
9. **bimum,** Schreb. Wet earth on rocks.
10. **capillare,** Hedw. Moist banks in woods.
11. **cæspiticium,** L. Rocks in dry places.
12. **atropurpureum,** Web. & Mohr. Sandy soil.

31. MNIUM, Br. & Schimp.

1. **affine,** Bland. Damp ground, shady places.
2. **hornum,** Hedw. Mountains.
3. **stellare,** Hedw. Hills in woods.
4. **cinclidioides,** Hedw. Stones, mountain streams.
5. **punctatum,** Hedw. Wet places.
6. **rostratum,** Schwaegr. Woodland rivulets.
7. **cuspidatum,** Hedw. Base of trees in woods.

32. BARTRAMIA, Hedw.

1. **Oederi,** Swartz. Mountains.
2. **pomiformis,** Hedw. Shady banks.
3. **fontana,** Brid. Springy places.
4. **Marchica,** Brid. Gravelly springy places.

33. FUNARIA, Schreb.

hygrometrica, Hedw. Earth, and walls.

34. PHYSCOMITRIUM, Brid.

pyriforme, Br. & Schimp. Earth.

35. APHANORHEGMA, Sulliv.

serrata, Sulliv. Damp soil.

36. FONTINALIS, Dill.

1. **antipyretica,** var. **gigantea,** Sulliv. Rivulets.
2. **biformis,** Sulliv. Rivulets.
3. **Novæ-Angliæ,** Sulliv. Rivulets.
4. **Eatonii,** Sulliv. Rivulets.
5. **disticha,** Hook. & Wils. Rivulets.
6. **Lescurii,** Sulliv. Mountain rivulets.
7. **Frostii,** Sulliv. Rivulets.
8. **Dalecarlica,** Bryol. Europ. Rivulets.

37. DICHELYMA, Myrin.

1. **falcatum,** Myrin. Mountain rivulets.
2. **capillaceum,** Bryol. Europ. Rivulets, &c.

38. LEUCODON, Schwaegr.

julaceus, Sulliv. Trees.

39. LEPTODON, Mohr.

trichomitrium, Mohr. Trees in woods.

40. ANOMODON, Hook. & Tayl.

1. **viticulosus,** Hook. & Tayl. Shaded rocks.
2. **attenuatus,** Hub. Rocks, and roots of trees.
3. **tristis,** Cesati. Trees.

41. LESKEA, Hedw., Bryol. Eur.

1. **obscura,** Hedw. Trees within reach of floods.
2. **rostrata,** Hedw. Base of trees in woods.

42. THELIA, Sulliv.

1. **hirtella,** Hedw. (Sulliv.). Roots and trunks of trees.
2. **asprella** (Schimp.) Sulliv. Roots and stumps of trees.

43. MYURELLA, Bryol. Eur.

Careyana, Sulliv. Springy ground on hills.

44. ANACAMPTODON, Brid.

splachnoides, Brid. Hollow knots on trees.

45. PYLAISÆA, Bryol. Eur.

intricata, W. P. Schimp. Trees, and logs.

46. HOMALOTHECIUM, Bryol. Eur., part.

subcapillatum, Bryol. Eur. Trees.

47. PLATYGYRIUM, Bryol. Eur.

repens, Bryol. Eur. Old fences, and logs.

48. PTERIGYNANDRUM, Hedw.

filiforme, Hedw. Rocks, and trunks.

49. CYLINDROTHECIUM, Bryol. Eur.

1. **cladorrhizans,** Bryol. Europ. Old logs, &c.
2. **seductrix,** Bryol. Europ. Old logs and roots of trees.

50. NECKERA, Hedw., Bryol. Eur.

pennata, Hedw. Trunks of trees.

51. CLIMACIUM, Web. & Mohr.

Americanum, Brid. Earth in moist places.

52. HYPNUM, Dill.

1. **tamariscinum,** Hedw. Ground, and logs.
2. **delicatulum,** L. Ground in dry places.
3. **minutulum,** Hedw. Decaying logs in woods.
4. **scitum,** Beauv. Base of trees.
5. **gracile,** Br. & Sch. Decaying logs.
6. **abietinum,** L. Mountain swamps.
7. **paludosum,** Sullv. Swamps.
8. **triquetrum,** L. Ground in woods.
9. **brevirostre,** Ehrh. Mountain swamps.
10. **splendens,** Hedw. Ground in woods.
11. **umbratum,** Ehrh. Shady rocks and swamps.
12. **Alleghaniense,** C. Müll. Rocky margins of rivulets.
13. **hians,** Hedw. Ground in woods.
14. **Sullivantii,** Spruce. Rocks in woods.
15. **strigosum,** Hoffm. Hillsides in woods.
16. **piliferum,** Schreb. Ground, &c., in dense woods.
17. **Boscii,** Schwaegr. Ground in hilly districts.
18. **serrulatum,** Hedw. Ground in dry woods.
19. **rusciforme,** Weis. Mountain rivulets.
20. **recurvans,** Schwaegr. Decaying logs.
21. **demissum,** Wils. Moist exposed stones or rocks.
22. **eugyrium,** Bryol. Europ. Rocks near streams.
23. **palustre,** L. Mountain rivulets.
24. **ochraceum,** Turn. Mountain rivulets.
25. **cuspidatum,** L. Marshy places.
26. **Schreberi,** Willd. Ground in moist woods.
27. **cordifolium,** Hedw. Swamps.
28. **stramineum,** Dickson. Sphagnous swamps.
29. **uncinatum,** Hedw. Swamps and bogs.
30. **fluitans,** L. Stagnant water, and swamps.
31. **aduncum,** Hedw. Swamps and bogs.
32. **filicinum,** L. Wet places.
33. **Crista-Castrensis,** L. Ground and logs.
34. **molluscum,** Hedw. Moist places.
35. **cupressiforme,** L. Shady places.
36. **imponens,** Hedw. Ground, and decaying logs.
37. **reptile,** Michx. Base of trees.
38. **curvifolium,** Hedw. Earth, and decaying logs.
39. **Haldanianum,** Grev. Earth, and decaying logs.
40. **pratense,** Koch. Wet rocks, and grounds.
41. **velutinum,** Dill. Sandy banks in woods.
42. **salebrosum,** Hoffm. Ground, and decaying logs.
43. **lætum,** Brid. Ground, and decaying logs.
44. **acuminatum,** Beauv. Earth, and decaying logs.
45. **plumosum,** L. Rocks near streams.
46. **rutabulum,** L. Springy places.

47. **populeum,** L. Rocks, and trunks.
48. **Novæ-Angliæ,** Sulliv. & Lesqx. Swamps.
49. **stellatum,** Schreb. Bogs and marshes.
50. **polymorphum,** Bryol. Europ. Moist clayey banks.
51. **hispidulum,** Brid. Base of trees on dry places.
52. **dimorphum,** Brid. Dry shaded rocks.
53. **adnatum,** Hedw. Base of trees, and on stones.
54. **serpens,** Hedw. Rocks, and decaying logs.
55. **radicale,** Brid. Rocks, and decaying logs.
56. **orthocladon,** Beauv. Wet springy places.
57. **riparium,** Hedw. Swamps, and on stones in rivulets.
58. **Lescurii,** Sulliv. Wet rocks.
59. **denticulatum,** L. Swamps, and moist rocks.
60. **Muhlenbeckii,** Bryol. Europ. Rocks, and ground.
61. **sylvaticum,** L. Rocks in mountains.
62. **Sullivantiæ,** W. P. Schimp. Rocks in dense woods.

Order 105. HEPATICÆ. Liverworts.

(By C. C. Frost.)

1. RICCIA, Mich.

1. **natans,** L. Floating on stagnant waters.
2. **fluitans,** L. Floating on stagnant waters.
3. **lutescens,** Schw. Low moist grounds.

2. ANTHOCEROS, Mich.

1. **punctatus,** L. Wet slopes, sides of ditches.
2. **lævis,** L. Wet slopes, sides of ditches.

3. MARCHANTIA, L.

polymorpha, L. Shady moist places.

4. FEGATELLA, Raddi.

conica, Corda. Springy places.

5. REBOULIA, Radd.

hemisphærica, Radd. Shady moist places.

6. FIMBRIARIA, Nees.

tenella, Nees. Shady places.

7. METZGERIA, Radd.

furcata, Nees. Rocks, and bark of trees.

8. ANEURA, Dumort.

1. **palmata,** Nees. Rotten logs.
2. **multifida,** Dumort. Moist rocky banks.

9. PELLIA, Radd.

epiphylla, Nees. Moist shady places, on the earth.

10. BLASIA, Mich.

pusilla, L. Sides of ditches, &c.

11. GEOCALYX, Nees.

graveolens, Nees. Earth, rotten logs, &c.

12. CHILOSCYPHUS, Cord.

polyanthos, Cord. Rocks.

13. LOPHOCOLEA, Nees.

bidentata, Nees. Moist rocks.

14. SPHAGNÆCETIS, Nees.

communis, Nees. Mosses, and decayed wood.

15. JUNGERMANNIA, L.

1. **trichophylla,** L. Decaying wood, &c.
2. **setacea,** Weber. Ground.
3. **connivens,** Dickson. Rotten wood.
4. **divaricata,** Engl. Bot. Mosses, and decaying wood.
5. **barbata,** Schreb. Ground, and rocks.
6. **curvifolia,** Dickson. Rotten logs.
7. **Schraderi,** Martins. Rotten logs.
8. **bicuspidata,** L. Rotten wood, &c.
9. **intermedia,** Lindenberg. Earth, &c.
10. **crenulata,** Smith. Margins of ditches.
11. **exsecta,** Schmidel. Boggy places.

16. SCAPANIA, Lindenb.

nemorosa, Nees. Moist banks.

17. PLAGIOCHILA, Nees & Mont.

1. **spinulosa,** Nees & Mont. Banks of rivulets.
2. **asplenioides,** Nees & Mont. Banks of rivulets.
3. **porelloides,** Lindenb. Base of trees in swamps.

18. SARCOSCYPHUS, Cord.

Ehrharti, Cord. Rivulets.

19. FRULLANIA, Radd.

1. **Grayana,** Mont. Trees, and rocks.
2. **Virginica,** Lehm. Rocks, and trees.
3. **Tamarisci,** Nees. Rocks, and trees.
4. **Eboracensis,** Lehm. Rocks, and trees.

20. LEJEUNIA, Libert.

cucullata, Nees. Moist rocks.

21. MADOTHECA, Dumort.

1. **platyphylla,** Dumort. Rocks, and trees.
2. **porella,** Nees. Inundated rocks.

22. RADULA, Nees.

complanata, Dumort. Base of trees.

23. PTILIDIUM, Nees.

ciliare, Nees. Rotten logs in woods.

24. TRICHOCOLEA, Nees.

tomentella, Nees. Moist places.

25. MASTIGOBRYUM, Nees.

trilobatum, Nees. Damp earth.

26. LEPIDOZIA, Nees.

reptans, Nees. Earth.

27. CALYPOGEIA, Radd.

Trichomanis, Cord. Springy places.

Class V. THALLOPHYTES.

I. CHARACEÆ.

(By C. C. Frost.)

1. NITELLA, Ag.

1. gracilis, Ag.
2. syncarpa, Thuill.
3. flexilis, Ag., & var. glomerulifera, Braun.
4. mucronata, Braun.
5. batrachosperma, Braun.

2. CHARA (L.), Ag.

1. vulgaris, L.
2. coronata, Ziz., var. Schweinitzii, Braun.

II. ALGÆ.

(Not yet studied: but **Lemania fluviatilis**, Ag., is noted as occurring at Turner's Falls. *Hitchcock.*)

III. LICHENES.

(By Edw. Tuckerman.)

1. RAMALINA, Ach., DeNot.

1. calicaris, Fr.
2. pollinaria, Ach.

2. CETRARIA, Ach., Fr.

1. aleurites (Ach.) Th. Fr.
2. Fahlunensis (L.) Schær. Brattleborough, *Russell.*
3. ciliaris, Ach.

4. **sæpincola** (Ehrh.) Ach. Hawley, *Porter*.
5. **Oakesiana**, Tuckerm.
6. **lacunosa**, Ach.
7. **glauca** (L.) Ach.
8. **aurescens**, Tuckerm.
9. **juniperina** (L.) Ach., v. **Pinastri**, Ach. Hawley, *Porter*.

3. EVERNIA, Ach., Mann.

1. **furfuracea** (L.) Mann.
2. **prunastri** (L.) Ach.

4. USNEA, Ach.

1. **barbata** (L.) Fr., *α*, **florida**, Fr. & *ff*, **hirta**, Fr., & **rubiginea**, Michx.; *β*, **ceratina**, Schær., & *γ*, **dasypoga**, Fr.
2. **angulata**, Ach.
3. **trichodea**, Ach.

5. ALECTORIA (Ach.) Nyl.

jubata (L.) & v. **chalybeiformis**, Ach.

6. THELOSCHISTES, Norm., Tuckerm.

1. **chrysophthalmus** (L.) Norm.
2. **parietinus** (L.) Norm., *b*, **polycarpus**, Fr.
3. **concolor** (Dicks.)

7. PARMELIA (Ach.) DeNot.

1. **perlata** (L.) Ach.
2. **perforata** (Jacq.) Ach., v. **crinita**, Tuckerm.
3. **tiliacea** (Hoffm.) Floerk.
4. **Borreri**, Turn., v. **rudecta**, Tuckerm.
5. **saxatilis** (L.) Fr.
6. **physodes** (L.) Ach.
7. **pertusa** (Schrank.) Schær.
8. **colpodes**, Ach.
9. **olivacea** (L.) Ach.
10. **caperata** (L.) Ach.
11. **conspersa** (Ehrh.) Ach.

8. PHYSCIA (Fr.) Th. Fr.

1. **aquila** (Ach.) Nyl., v. **detonsa**, Tuckerm.
2. **pulverulenta** (Schreb.) Nyl.
3. **speciosa** (Wulf., Fr.) & v. **hypoleuca**, Ach.
4. **stellaris** (L.) Nyl., & v. **tribacia**, & v. **hispida**, Fr.
5. **cæsia** (Hoffm.) Nyl.
6. **obscura** (Ehrh.) Nyl., & v. **adglutinata**, Schær., & v. **endochrysea**, Hamp.

9. PYXINE, Fr.

cocoes (Sw.) Nyl., v. **sorediata**, Tuckerm.

10. UMBILICARIA, Hoffm.

1. **Pennsylvanica,** Hoffm.
2. **pustulata** (L.) Hoffm.
3. **Dillenii,** Tuckerm.
4. **erosa** (Web.) Hoffm. Brattleborough, *Russell.*
5. **Muhlenbergii** (Ach.) Tuckerm.

11. STICTA (Schreb.) Delis.

1. **glomerulifera** (Lightf.) Delis.
2. **pulmonaria** (L.) Ach.
3. **quercizans** (Michx.) Ach. Mt. Holyoke, *Clark.* Brattleborough, *Frost.*
4. **crocata** (L.) Ach.

12. NEPHROMA, Ach.

1. **lævigatum,** Ach.
2. **tomentosum** (Hoffm.) Koerb., *&* var. **Helveticum,** Schær.

13. PELTIGERA (Hoffm.) Fée.

1. **venosa** (L.) Hoffm. Brattleborough, *Frost.*
2. **aphthosa** (L.) Hoffm., *&* v. **minor,** Tuckerm.
3. **canina** (L.) Hoffm.
4. **rufescens** (Neck.) Hoffm.
5. **polydactyla** (Neck.) Hoffm.
6. **horizontalis** (L.) Hoffm.

14. PANNARIA, Delis.

1. **lanuginosa** (Ach.) Koerb.
2. **rubiginosa** (Thunb.) Ach., *&* v. **conoplea,** Fr.
3. **lurida** (Mont.) Nyl.
4. **tryptophylla** (Ach.) Mass.
5. **microphylla** (Sw.) Del.
6. **crossophylla,** Tuckerm. Brattleborough, *Russell.*
7. **melamphylla,** Tuckerm. Brattleborough, *Frost.*
8. **leucosticta,** Tuckerm.
9. **molybdæa** (Pers.) Tuckerm., v. **cronia,** Nyl.
10. **nigra** (Huds.) Nyl.
11. **flabellosa,** Tuckerm.

15. EPHEBE, Fr.

1. **pubescens** (Ach.) Fr.
2. **solida,** Born. Brattleborough, *Frost.*

16. SYNALISSA, Fr., Tuckerm.

1. **polycocca,** Nyl. Vermont, *Frost,* and probably within our limits; as also
2. **phæococca,** Tuckerm. Vermont, *Frost.*

17. OMPHALARIA, Dur. & Mont.

phyllisca (Wahl.) Tuckerm. Brattleborough, *Frost.*

18. COLLEMA (Hoffm.) Fr.

1. **pycnocarpum,** Nyl.
2. **leptaleum,** Tuckerm.
3. **microptychium,** Tuckerm.
4. **flaccidum,** Ach.
5. **nigrescens** (Huds.) Ach.
6. **ryssoleum,** Tuckerm. Brattleborough, *Frost.*
7. **pulposum** (Bernh.) v. **cælocarpum,** Tuckerm. Brattleboro', *Frost.*

19. LEPTOGIUM, Fr.

1. **muscicola** (Sw.) Fr. Brattleborough, *Frost.*
2. **lacerum** (Sw.) Fr.
3. **dactylinum,** Tuckerm. Brattleborough, *Frost.*
4. **crenatellum,** Tuckerm. Brattleborough, *Frost.*
5. **pulchellum** (Ach.) Nyl.
6. **tremelloides** (L. fil.) Fr.
7. **chloromelum** (Sw.) Nyl.
8. **myochroum** (Ehrh.) Schær.

20. HYDROTHYRIA, Russell.

venosa, Russ. Brattleborough, *Russell.*

21. PLACODIUM (DC.) Naeg. & Hepp.

1. **vitellinum** (Ehrh.) Hepp.
2. **cinnabarrinum** (Ach.) Anz.
3. **aurantiacum** (Lightf.) Naeg., & v. **flavovirescens,** Fr.
4. **rupestre** (Scop.) Tuckerm. Brattleborough, *Frost.*
5. **cerinum** (Hedw.) Naeg.
6. **sideritis,** Tuckerm.
7. **ferrugineum** (Huds.) Hepp.

22. LECANORA, Ach., Tuckerm.

1. **Frostii,** Tuckerm. Brattleborough, *Frost.*
2. **rubina** (Vill.) Ach., v. **campestris.**
3. **muralis** (Schreb.) Schær.
4. **pallescens** (L.) Fr.
5. **tartarea** (L.) Ach.
6. **frustulosa** (Dicks.) Ach. Brattleborough, *Frost.*
7. **subfusca** (L.) Ach.
8. **Cenisia,** Ach. Brattleborough, *Frost.*
9. **pallida** (Schreb.) Schær.
10. **Bockii** (Fr.) Th. Fr.
11. **varia** (Ehrh.) Fr.
12. **atra** (Huds.) Ach.
13. **elatina,** Ach., v. **ochrophæa,** Tuckerm.
14. **cinerea** (L.) Fr., & v. **lævata,** Fr.
15. **epulotica,** Ach.
16. **cervina** (Pers.) Sommerf., v. **squamulosa,** Fr., v. **discreta,** Fr., & v. **privigna.**

23. RINODINA, Mass., Stizenb.

1. oreina (L.) Mass.
2. Ascociscana, Tuckerm.
3. sophodes (Ach.) & v. confragosa, Nyl., & v. exigua, Nyl.
4. alboatra (Hoffm.)
5. constans (Nyl.) Tuckerm.

24. PERTUSARIA, DC.

1. velata (Turn.) Nyl.
2. multipuncta (Sm.) Nyl.
3. pertusa (L.) Ach. s. Por.
4. leioplaca (Ach.) Schær.
5. globularis, Ach.
6. pustulata (Ach.) Nyl.
7. Wulfenii, DC.

25. CONOTREMA, Tuckerm.

urceolatum (Ach.) Tuckerm.

26. GYALECTA (Ach.) Anz.

1. lutea (Dicks.) Tuckerm.
2. pineti (Schrad.) Tuckerm.
3. corticola, Lönnr.
4. Flotovii, Koerb.
5. cupularis (Hedw.) Schær.

27. URCEOLARIA (Ach.) Flot.

scruposa (L.) Ach.

28. THELOTREMA (Ach.) Eschw.

subtile, Tuckerm. Brattleborough, *Frost.*

29. STEREOCAULON, Schreb.

1. tomentosum, Fr.
2. corallinum, Fr.
3. paschale, Laur.
4. denudatum, Floerk.

30. CLADONIA, Hoffm.

1. turgida (Ehrh.) Hoffm. Brattleborough, *Frost.*
2. pyxidata (L.) Fr.
3. fimbriata (L.) Fr., & v. adspersa, Tuckerm.
4. gracilis (L.) Fr.
5. degenerans, Floerk.
6. cariosa (Ach.) Spreng.
7. cenotea, Ach., v. furcellata, Fr.
8. squamosa, Hoffm., & v. cæspiticia, Nyl., & v. delicata, Fr.
9. furcata (Huds.) Fr.
10. rangiferina (L.) Hoffm., & v. sylvatica, L., & v. alpestris, L.

11. **uncialis** (L.) Fr.
12. **cornucopioides** (L.) Fr.
13. **cristatella,** Tuckerm.

31. BÆOMYCES, Pers., Nyl.

1. **byssoides** (L.) Schær.
2. **roseus,** Pers.
3. **æruginosus** (Scop.) Nyl.

32. BIATORA, Fr.

1. **Russellii,** Tuckerm. Brattleborough, *Frost.*
2. **ostreata** (Hoffm.) Fr. Brattleborough, *Russell.*
3. **coarctata** (Ach.) Th. Fr. Brattleborough, *Frost.*
4. **granulosa** (Ehrh.) Poetsch.
5. **flexuosa,** Fr.
6. **viridescens** (Schrad.) Fr.
7. **russula** (Ach.) Mont. Hadley.
8. **vernalis** (L.) Th. Fr.
9. **sanguineo-atra** (Fr.) Tuckerm.
10. **exigua** (Chaub.) Fr.
11. **uliginosa** (Schrad.) Fr.
12. **rivulosa** (Ach.) Fr.
13. **lucida** (Ach.) Fr.
14. **cyrtella** (Ach., Nyl.)
15. **globulosa** (Floerk.) Tuckerm.
16. **tricolor** (With.)
17. **atropurpurea** (Mass.) Tuckerm.
18. **trachona,** Flot.
19. **hypnophila** (Turn.) Tuckerm.
20. **milliaria** (Fr.) Tuckerm.
21. **rubella** (Ehrh.) Rabenh., & v. **spadicea,** Tuck., v. **suffusa,** Tuck., v. **Schweinitzii,** Tuck., v. **incompta,** Nyl., v. **muscorum,** Nyl., & v. **inundata,** Fr.
22. **umbrina** (Ach.) Tuckerm.
23. **chlorantha,** Tuckerm.

33. HETEROTHECIUM, Flot., Tuckerm.

1. **sanguinarium** (L.) Flot. Brattleborough, *Frost.*
2. **tuberculosum** (Fée.) Flot., v. **porphyrites,** Tuckerm.
3. **pezizoideum** (Ach.) Flot.

34. LECIDEA (Ach.) Fr.

1. **enteroleuca,** Ach.
2. **melancheima,** Tuckerm.
3. **contigua,** Fr., Nyl.
4. **spilota,** Fr.
5. **polycarpa,** Floerk., Fr.
6. **tessellina,** Tuckerm.
7. **fusco-atra,** Ach., Fr.

35. BUELLIA, DeNot., Tuckerm.

1. **lepidastra**, Tuckerm.
2. **atro-alba** (Flot.) Th. Fr.
3. **parasema** (Ach.) Koerb.
4. **dialyta**, Nyl.
5. **myriocarpa**, (DC.) Mudd.
6. **turgescens**, Nyl.
7. **saxatilis** (Schær.) Koerb.
8. **Elizæ**, Tuckerm. Brattleborough, *Frost.*
9. **petræa**, (Flot.) Tuckerm.
10. **geographica** (L.) Tuckerm.

36. LECANACTIS (Eschw.) Tuckerm.

premnea (Ach.) Tuckerm., v. **chloroconia**, Tuck.

37. MELASPILEA, Nyl.

arthonioides (Fée) Nyl.

38. OPEGRAPHA (Humb.) Ach., Nyl.

1. **microcyclia**, Tuckerm.
2. **varia** (Pers.) Fr.
3. **vulgata**, Ach., Nyl.

39. GRAPHIS, Ach., Nyl.

scripta (L.) Ach., & v. **assimilis**, Tuckerm.

40. ARTHONIA.

1. **pyrrhula**, Nyl.
2. **velata**, Nyl.
3. **cinereo-pruinosa**, Schær.
4. **lecideella**, Nyl.
5. **lurida**, Ach.
6. **patellulata**, Nyl.
7. **diffusa**, Nyl.
8. **lurido-alba**, Nyl.
9. **astroidea**, Ach., Nyl.
10. **spectabilis**, Flot.

41. MYCOPORUM (Flot.) Nyl.

pycnocarpum, Nyl.

42. ACOLIUM (Fée) DeNot.

1. **viridulum** (Schær.) DeNot. Brattleborough, *Frost.*
2. **tigillare** (Ach.) DeNot.

43. CALICIUM, Pers., Fr.

1. **trichiale**, Ach.
2. **chrysocephalum** (Turn.) Ach.
3. **lenticulare** (Hoffm.) Ach.
4. **subtile**, Fr.

5. **trachelinum,** Ach.
6. **roscidum,** Floerk., Nyl., v. **trabinellum,** Nyl.
7. **Curtisii,** Tuckerm.
8. **turbinatum,** Pers.

44. CONIOCYBE, Ach.

1. **furfuracea** (L.) Ach.
2. **pallida** (Pers.) Fr.

45. ENDOCARPON, Hedw., Fr.

1. **miniatum** (L.) Schær., & v. **complicatum,** Schær., & v. **aquaticum,** Schær.
2. **arboreum,** Schwein.
3. **rufescens,** Ach.
4. **pusillum,** Hedw.

46. STAUROTHELE, Norm.

1. **umbrina** (Wahl.) Tuckerm.
2. **diffractella** (Nyl.) Tuckerm.

47. TRYPETHELIUM, Spreng., Nyl.

virens, Tuckerm.

48. SAGEDIA (Mass.) Koerb.

1. **chlorotica** (Ach.) Mass.
2. **Cestrensis,** Tuckerm.
3. **lactea,** Koerb.
4. **oxyspora** (Nyl.) Tuckerm.

49. VERRUCARIA, Pers.

1. **epigæa** (Pers.) Ach.
2. **margacea,** Wahl., Nyl.
3. **nigrescens,** Pers.
4. **virens,** Nyl.
5. **muralis,** Ach.

50. PYRENULA (Ach.) Naeg. & Hepp.

1. **thelæna** (Ach.) Tuckerm.
2. **punctiformis** (Ach.) Naeg.
3. **gemmata** (Ach.) Naeg.
4. **hyalospora** (Nyl.) Tuckerm.
5. **leucoplaca** (Wallr.) Koerb.
6. **glabrata** (Ach.) Mass.
7. **nitida,** Ach.
8. **lactea** (Mass.) Tuck.

IV. FUNGI.

(By C. C. Frost.)

Fam. I. HYMENOMYCETES.

1. AGARICUS, L.

(I. AMANITA.)

1. **cæsareus,** Scop. Woods.
2. **vernus,** Fr. Woods.
3. **phalloides,** Fr. Woods.
4. **muscarius,** Fr. Borders of woods, &c.
5. **strobiliformis,** Fr. Borders of woods.
6. **Mappa,** Batsch. Woods.
7. **volvatus,** Peck. Damp ground in open woods, &c.
8. **rubescens,** Pers. Damp woods.
9. **vaginatus,** Bull. Woods and fields.
10. **affinis,** Frost. Oak woods.
11. **Ceciliæ,** B. & Br. Woods.
12. **excelsus,** Fr. Woods.

(II. LEPIOTA.)

1. **procerus,** Scop. Woods and fields, &c.
2. **rachodes,** Vill. Base of stumps, &c.
3. **excoriatus,** Schaef. Pastures and gardens.
4. **mastoideus,** Fr. Woods.
5. **acutesquamosus,** Wm. Rich soil.
6. **clypeolarius,** Bull. Woods.
7. **felinus,** Peck. Ground in woods.
8. **Americanus,** Peck. Chip yards, and rich grass grounds.
9. **cristatus,** Bolt. Gardens and rich woods.
10. **cepæstipes,** Sow. Hot beds, &c.
11. **granulosus,** Batsch. Woods.

(III. ARMILLARIA.)

1. **ramentaceus,** Bull. Moist woods.
2. **melleus,** Vahl. Stumps and logs.
3. **ponderosus,** Peck. Ground in woods.

(IV. TRICHOLOMA.)

1. **equestris,** L. Pine woods.
2. **sejunctus,** Sow. Mixed woods.
3. **portentosus,** Fr. Woods.
4. **compactus,** Sow. Base of stumps.
5. **spermaticus,** Fr. Pine woods.
6. **rubicundus,** Peck. Woods.
7. **rutilans,** Schaeff. Pine stumps.
8. **imbricatus,** Fr. Pine woods.
9. **multipunctus,** Peck. Rotten logs in woods.
10. **terreus,** Schaeff. Pine woods.

11. **albus,** Fr. Woods.
12. **nudus,** Fr. Woods.

(V. **CLYTOCYBE.**)

1. **nebularis,** Batsch. Woods.
2. **subinvolutus,** Batsch. Woods.
3. **altus,** Frost. Grassy woods.
4. **phyllophilus,** Fr. Woods.
5. **dealbatus,** Fr. Pine woods.
6. **illudens,** Schw. Base of trees and in pastures.
7. **fumosus,** Pers. Waste grounds.
8. **maximus,** Fr. Borders of pine woods.
9. **infundibuliformis,** Schaeff. Borders of woods.
10. **geotropus,** Bull. Borders of woods.
11. **albissimus,** Peck. Ground in woods.
12. **pinus,** Frost. Pine woods.
13. **abortiens,** B. & C. Swamps.
14. **cyathiformis,** Fr. Woods and meadows.
15. **anomalus,** Frost. Pine woods.
16. **laccatus,** Scop. Damp ground and woods.
17. **flaccidus,** Sow. Pine woods.
18. **elixus,** Sow. Woods.

(VI. **PLEUROTUS.**)

1. **ulmarius,** Bull. Trunks.
2. **ostreatus,** Jacq. Trees.
3. **salignus,** Fr. Trunks and logs.
4. **petaloides,** Bull. Old logs and stumps.
5. **mitis,** Pers. Logs and dead trees.
6. **porrigens,** Pers. Old pine trunks.
7. **applicatus,** Batsch. Dead wood.
8. **stypticus,** Bull. Stumps.
9. **chioneus,** Pers. Wood, and dung.

(VII. **COLLYBIA.**)

1. **radicatus,** Bull. Woods.
2. **platyphyllus,** Fr. Rotten wood.
3. **butyraceus,** Bull. Pine woods.
4. **velutipes,** Curt. Rotten stumps and logs.
5. **confluens,** Pers. Among leaves in woods.
6. **cirrhatus,** Schum. Damp places.
7. **tuberosus,** Bull. Decaying fungi.
8. **myriadophyllus,** Peck. Decaying wood.
9. **dryophylus,** Bull. Woods.
10. **tenacellus,** Pers. Fir cones.
11. **clavus,** Bull. Twigs and leaves.
12. **conigenus,** Pers. Fir cones.
13. **asemus,** Fr. Pine woods.
14. **fusipes,** Bull. Stumps.

(VIII. **MYCENA.**)

1. **pelianthus,** Fr. Among dead leaves in woods.
2. **rubro-marginatus,** Fr. Rotten wood.
3. **rosellus,** Fr. Pine woods.
4. **purus,** Pers. Among leaves in woods.
5. **galericulatus,** Scop. Trunks, stumps, &c.
6. **alcalinus,** Fr. Trunks, &c.
7. **filipes,** Bull. Among leaves in woods.
8. **aureo-squamosus,** Frost. Rich ground in woods.
9. **galopus,** Schrad. Earth.
10. **epiterygius,** Scop. Rotten wood.
11. **citrinellus,** Pers. Among mosses, &c.
12. **corticola,** Schum. Bark of trunks.
13. **capillaris,** Schum. Rotting leaves.
14. **lacteus,** Pers. Pine woods.
15. **olivarius,** Peck. Burnt places.

(IX. **OMPHALIA.**)

1. **pyxidatus,** Bull. Grassy places.
2. **hepaticus,** Batsch. Pastures, &c.
3. **cyanipes,** Frost. Old logs.
4. **campanella,** Batsch. Rotten wood.
5. **camptophyllus,** Peck. Sticks, &c.
6. **fibula,** Bull. Among mosses.

(X. **VOLVARIA.**)

parvulus, Weinm. Cultivated grounds.

(XI. **CHAMÆOTA.**)

cretaceus, Fr. Meadows, &c.

(XII. **PLUTEUS.**)

1. **cervinus,** Schaeff.
2. **sterilimarginatus,** Peck. Decaying wood.

(XIII. **ENTOLOMA.**)

1. **rhodopolius,** Fr. Earth in woods.
2. **clypeatus,** L. Swampy grounds.
3. **cyaneus,** Peck. Decaying wood.
4. **sericellus,** Fr. Woods.
5. **strictior,** Peck. Ground in woods.
6. **salmoneus,** Peck. Low grounds, and in swamps.

(XIV. **CLYTOPILUS.**)

1. **Prunulus,** Scop. Woods.
2. **Prunulus,** var. **Orcella,** Bull. Open places in woods.

(XV. **LEPTONIA.**)

1. **chalybeus,** Pers. Pastures.
2. **asprellus,** Fr. Pastures, &c.

(XVI. **CLAUDOPUS.**)

variabilis, Pers. Sticks, &c.

(XVII. **PHOLIOTA.**)

1. **præcox,** Pers. Grassy land and around stumps.
2. **squamosus,** Mull. Hard wood stumps.
3. **adiposus,** Fr. Stumps.
4. **mutabilis,** Schaeff. Trunks and stumps.
5. **discolor,** Peck. Old logs in woods.
6. **mycenoides,** Fr. Ground in woods.
7. **temnophyllus,** Peck. Grassy ground by roadsides.

(XVIII. **HEBELOMA.**)

1. **floccolentus,** Poll. Earth.
2. **rimosus,** Bull. Woods and waste places.
3. **lacerus,** Fr. Grassy ground in fields and woods.
4. **geophyllus,** Sow. Woods.
5. **subochraceus,** Peck. Woods.

(XIX. **FLAMMULA.**)

polychrous, Berk. Earth and rotten wood.

(XX. **NAUCORIA.**)

1. **melinioides,** Fr. Grass lands.
2. **discomorbidus,** Peck. Earth in woods.
3. **semiorbicularis,** Bull. Woods and fields.
4. **autumnalis,** Peck. Stumps and rotten logs.

(XXI. **GALERA.**)

1. **tener,** Schaeff. Rich grounds.
2. **Hypnorum,** Batsch. Among mosses.

(XXII. **CREPIDOTUS.**)

mollis, Schaeff. Old stumps and wood.

(XXIII. **TUBARIA.**)

furfuraceus, Pers. Dead wood.

(XXIV. **PSALLIOTA.**)

1. **campestris,** L. Fields and pastures.
2. **arvensis,** Schaeff. Fields and pastures.

(XXV. **STROPHARIA.**)

1. **æruginosus,** Curt. Meadows.
2. **stercorarius,** Fr. Dung.
3. **magnus,** Frost. Rich woods.
4. **semiglobatus,** Batsch. Dung.

(XXVI. **HYPHOLOMA.**)

1. **sublateritius,** Fr. Around old stumps.
2. **epixanthus,** Fr. Pine stumps.

3. **lachrymabundus,** Fr. Trunks, and on the ground.
4. **perplexus,** Peck. Stumps.

XXVII. **PSILOCYBE.**)

fœnisecii, Pers. Grass grounds.

(XXVIII. **PSATHYRIA.**)

fibrillosus, Pers. Woods.

(XXIX. **PANÆOLUS.**)

1. **fimiputris,** Bull. Dung in pastures.
2. **campanulatus,** L. Rich grounds.
3. **retirugis,** Batsch. Pastures, &c.
4. **papilionaceus,** Bull. Rich soil, and on dung.
5. **fimicola,** Fr. Dung.
6. **Phalænarum,** Fr. Dung.

(XXX. **PSATHYRELLA.**)

disseminatus, Fr. Trunks, ground, &c.

2. COPRINUS, Fr.

1. **comatus,** Fr. Sides of roads, pastures, yards, &c.
2. **atramentarius,** Bull. Manured grounds.
3. **fimetarius,** Fr. Dung heaps.
4. **tomentosus,** Fr. Dung heaps.
5. **niveus,** Fr. On horse dung.
6. **micaceus,** Fr. About old stumps.
7. **radiatus,** Fr. On dung.
8. **domesticus,** Pers. Sides of roads, yards, &c.
9. **ephemerus,** Fr. On dung heaps.
10. **plicatilis,** Fr. Pastures, and rich soil.

3. BOLBITUS, Fr.

1. **titubans,** Fr. Among grass.
2. **tener,** B. Rich grounds.

4. CORTINARIUS, Fr.

1. **caperatus,** Fr. Woods.
2. **callochrous,** Pers. Woods and swamps.
3. **cærulescens,** Fr. Woods.
4. **subpurpurascens,** Fr. Woods.
5. **lilacinus,** Peck. Mossy ground in woods.
6. **turbinatus,** Fr. Woods.
7. **orichalceus,** Batsch. Woods.
8. **scaurus,** Fr. Woods.
9. **squamulosus,** Peck. Pine woods.
10. **collinitus,** Fr. Pine woods.
11. **sphærophorus,** Peck. Earth in woods.
12. **tricolor,** Peck. Sandy soil.

13. **elatior,** Fr. Woods.
14. **violaceus,** Fr. Woods.
15. **pholideus,** Fr. Dense woods.
16. **ochroleucus,** Fr. Woods.
17. **cyanipes,** Fr. Woods.
18. **anomalus,** Fr. Woods.
19. **armillatus,** Fr. Woods.
20. **Spraguei,** B. & C. Woods.
21. **rugosus,** Frost. Rich yards.
22. **tabularis,** Fr. Woods.
23. **nigellus,** Peck. Mossy ground in woods.
24. **lachrymans,** Frost. Cultivated grass grounds.
25. **sanguineus,** Fr. Woods.
26. **speciosus,** Frost. Damp woods.
27. **cinnamomeus,** Fr. Woods and around ponds.
28. **cinnamomeus,** var. **semi-sanguineus,** Fr. Woods.
29. **ilipodius,** Fr. Woods.
30. **castaneus,** Fr. Earth in woods.
31. **vernalis,** Peck. Wet grounds in pastures.
32. **striatus,** Frost. Woods.

5. LEPISTA, Smith.

personata, Fr. Woods and pastures.

6. PAXILLUS, Fr.

1. **involutus,** Batsch. Earth, &c.
2. **porosus,** Fr. Damp woods.
3. **griseo-tomentosus,** Secr. Old wood and stumps.
4. **flavidus,** Berk. Earth in woods.

7. GOMPHIDIUS, Fr.

viscidus, Fr. Pine woods.

8. HYGROPHORUS, Fr.

1. **chrysodon,** Fr. Woods.
2. **eburneus,** Fr. Woods, &c.
3. **Cossus,** Fr. Woods.
4. **erubescens,** Fr. Woods.
5. **fuligneus,** Frost. Pine woods.
6. **flavo-discus,** Frost. Pine woods.
7. **tephroleucus,** Fr. Pine woods.
8. **virgatulus,** Peck. Ground in open woods.
9. **pratensis,** Fr. Hillsides and pastures.
10. **virgineus,** Fr. Grassy woods.
11. **niveus,** Fr. Mossy woods.
12. **borealis,** Peck. Ground in woods.
13. **cinnabarinus,** Fr. Damp woods.
14. **Cantharellus,** Fr. Decaying wood.

15. **lætus**, Fr. On mossy ground.
16. **ceraceus**, Schaef. Mossy woods.
17. **coccineus**, Fr. Mossy woods.
18. **cuspidatus**, Frost. Damp woods.
19. **cœrulescens**, B. & C. Woods.
20. **nitidus**, B. &. C. Moist woods.
21. **miniatus**, Fr. Moist woods.
22. **congelatus**, Peck. Moist woods.
23. **puniceus**, Fr. Moist woods.
24. **obrusseus**, Fr. Margin of woods.
25. **conicus**, Fr. Grassy land.
26. **psittacinus**, Fr. Pastures, &c.

9. LACTARIUS, Fr.

1. **torminosus**, Fr. Woods, fields, &c.
2. **cilicioides**, Fr. Pine woods.
3. **insulsus**, Fr. Woods.
4. **zonarius**, With. Grassy places.
5. **fistulosus**, Frost. Woods.
6. **hysginus**, Fr. Woods.
7. **trivialis**, Fr. Pine woods.
8. **purpureo-fuscus**, Frost. Woods.
9. **politus**, Frost. Pine woods.
10. **flexuosus**, Fr. Damp woods.
11. **uvidus**, Fr. Deep woods.
12. **leucophæus**, Frost. Woods.
13. **pyrogalis**, Fr. Woods, and meadows.
14. **Gerardii**, Peck. Ground in woods and groves.
15. **pergamenus**, Sw. Woods.
16. **fragrans**, Frost. Damp woods.
17. **piperatus**, Fr. Woods.
18. **vellereus**, Fr. Woods.
19. **deliciosus**, L. Pine woods, &c.
20. **Chelidonium**, Peck. Sandy soil in Pine woods.
21. **Indigo**, Schw. Woods and thickets.
22. **pallidus**, Fr. Damp woods.
23. **unicolor**, Frost. Pine woods.
24. **theiogalus**, Bull. Woods.
25. **paludosus**, Frost. Woody swamps.
26. **subdulcis**, Fr. Damp or swampy ground.
27. **subfloccosus**, Frost. Pine woods.
28. **mordax**, Frost. Damp woods.
29. **rufus**, Fr. Pine woods.
30. **pallor**, Frost. Woods.
31. **udus**, Frost. Woody swamps.
32. **distans**, Peck. Margin of woods.
33. **umbellæformis**, Frost. Woods.

10. RUSSULA, Fr.

1. **adusta,** Fr. Woods.
2. **fumosa,** Frost. Pine woods.
3. **compacta,** Frost. Pine woods.
4. **furcata,** Fr. Woods.
5. **sulcata,** Frost. Woods.
6. **virescens,** Pers. Woods.
7. **albo-cinerascens,** Frost. Woods.
8. **lepida,** Fr. Woods, &c.
9. **rubra,** Fr. Woods.
10. **purpurea,** Frost. Woods.
11. **candida,** Frost. Woods.
12. **fœtans,** Pers. Woods and swamps.
13. **simillima,** Peck. Woods.
14. **fragilis,** Fr. Woods, &c.
15. **emetica,** Fr. Woods.
16. **ochroleuca,** Fr. Woods.
17. **distans,** Frost. Borders of woods.
18. **flavida,** Frost. Woods.
19. **decolorans,** Fr. Woods.
20. **nitida,** Fr. Woods.
21. **regularis,** Frost. Woods.
22. **alutacea,** Fr. Woods.

11. CANTHARELLUS, Adams.

1. **floccosus,** Schw. Woods.
2. **cibarius,** Fr. Open woods.
3. **minor,** Peck. Open woods.
4. **aurantiacus,** Fr. Woods, &c.
5. **tubæformis,** Fr. Woods.
6. **infundibuliformis,** Fr. Woods, &c.
7. **cinereus,** Fr. Ground in woods.
8. **muscigenus,** Bull. Mossy ground.

12. NYCTALIS, Fr.

1. **asterophora,** Bull. On dead Agarics.
2. **parasitica,** Fr. On Russula fœtans.

13. MARASMIUS, Fr.

1. **peronatus,** Fr. Among leaves in woods.
2. **Oreades,** Bolt. Pastures and fields, &c.
3. **plancus,** Fr. Woods.
4. **archyropus,** Fr. Among leaves, &c.
5. **scorodinus,** Fr. Pine woods.
6. **velutipes,** B. &. Br. Woods.
7. **rotula,** Fr. On fallen twigs and leaves.
8. **campanulatus,** Peck. Dead leaves, &c., in woods.
9. **androsaceus,** L. On fallen leaves.

10. **perforans,** Fr. Pine woods.
11. **filipes,** Peck. Fallen leaves of Hemlock.
12. **opacus,** B. & C. Woods.

14. LENTINUS, Fr.

1. **lepideus,** Fr. Pine stumps.
2. **cochleatus,** Fr. Trunks, &c.
3. **Lecontei,** Fr. Logs and stumps.
4. **strigosus,** Schw. Logs and stumps.

15. PANUS, Fr.

1. **torulosus,** Fr. Stumps.
2. **conchatus,** Fr. Trunks, &c.
3. **operculatus,** B. & C. Logs and wet places.
4. **stypticus,** Fr. Dead wood.

16. SCHIZOPHYLLUM, Fr.

commune, Fr. Dead wood, &c.

17. LENZITES, Fr.

1. **betulina,** Fr. Logs and stumps.
2. **Klotszchii,** Berk. Logs and stumps.
3. **sæpiaria,** Fr. Old posts and rails.
4. **bicolor,** Fr. Old stumps.
5. **abietina,** Fr. Old wood, posts, rails.
6. **vialis,** Peck. Old railroad ties.

18. BOLETUS, Fr.

1. **pictus,** Peck. Pine woods.
2. **Ravenelii,** B. & C. Borders of woods.
3. **salmonicolor,** Frost. Pine woods.
4. **serotinus,** Frost. Shady grass ground.
5. **viridarius,** Frost. Grass plats.
6. **flavidus,** Fr. Moist woods.
7. **viscosus,** Frost. Borders of Pine woods.
8. **collinitus,** Fr. Pine woods.
9. **granulatus,** L. Grassy Pine woods.
10. **unicolor,** Frost. Moist places.
11. **albus,** Peck. Borders of woods.
12. **bovinus,** L. Pine woods.
13. **chrysenteron,** Fr. Woods and meadows.
14. **subtomentosus,** L. Woods and on stumps.
15. **spadiceus,** Schaef. Hillsides.
16. **miniato-olivaceus,** Frost. Borders of woods.
17. **speciosus,** Frost. Rich woods.
18. **rubeus,** Frost. Deep woods.
19. **Spraguei,** Frost. Rich woods.
20. **luridus,** Schaef. Woods and pastures.
21. **Frostii,** Russell. Grassy land under trees.

22. **firmus,** Frost. Rich moist woods.
23. **ampliporus,** Peck. Base of stumps.
24. **magnisporus,** Frost. Woods and thickets.
25. **decorus,** Frost. Borders of woods.
26. **tenuiculus,** Frost. Woods.
27. **aurisporus,** Peck. Open woods.
28. **innixus,** Frost. Grassy hillsides in woods.
29. **Roxanæ,** Frost. Borders of woods.
30. **Russellii,** Frost. Rocky woods.
31. **affinis,** Peck. Grassy ground in open woods.
32. **edulis,** Bull. Open woods.
33. **retipes,** B. & C. Open woods.
34. **limatulus,** Frost. Woods.
35. **robustus,** Frost. Moist woods and thickets.
36. **gracilis,** Peck. Moist woods.
37. **piperatus,** Bull. Woods, &c.
38. **ferrugineus,** Frost. Borders of woods under trees.
39. **pallidus,** Frost. Woods, &c.
40. **sordidus,** Frost. Recent excavations in woods.
41. **chromapus,** Frost. Woods.
42. **versipellis,** Fr. Woods.
43. **scaber,** Fr. Woods, &c.
44. **felleus,** Bull. Woods, &c.
45. **castaneus,** Bull. Woods, fields, and gardens.
46. **cyanescens,** Bull. Hillsides, &c.

19. STROBILOMYCES, Berk.

strobilaceus, Berk. Woods and woody side hills.

20. POLYPORUS, Fr.

(I. MESOPUS.)

1. **ovinus,** Schaef. Earth in woods.
2. **brumalis,** Fr. Dead sticks and logs.
3. **Schweinitzii,** Fr. Base of Pine trees.
4. **perennis,** Fr. Earth in woods.
5. **splendens,** Peck. Much decayed stumps.
6. **cæruleosporus,** Peck. Shaded moist banks.

(II. PLEUROPUS.)

7. **elegans,** Fr. Trunks and stumps.
8. **varius,** Fr. Trunks, &c.
9. **Boucheanus,** Fr. On sticks.
10. **lucidus,** Fr. Pine stumps.

(III. MERISMUS.)

11. **giganteus,** Fr. Base of Hemlocks.
12. **sulfureus,** Fr. Trees and stumps.

(IV. APUS.)

13. **destructor,** Fr. On wood and logs.

14. **lacteus,** Fr. Trunks and stumps.
15. **gilvus,** Schw. Trunks and limbs.
16. **adustus,** Fr. Trunks and limbs.
17. **isabellinus,** Fr. Trunks and stumps.
18. **cuticularis,** Fr. Stumps in swamps.
19. **spumeus,** Fr. Living wood.
20. **resinosus,** Fr. Dead Hemlock trees.
21. **betulinus,** Fr. Birch trees.
22. **conchifer,** Schw. Dead limbs of trees.
23. **spissus,** Schw. Trunks, &c.
24. **applanatus,** Fr. Trunks and logs.
25. **fomentarius,** Fr. Trunks and limbs.
26. **ignarius,** Fr. Trunks and limbs.
27. **Ribis,** Fr. Currant stems.
28. **pinicola,** Fr. Pine stumps.
29. **marginatus,** Fr. Trunks and stumps.
30. **cinnabarinus,** Fr. Logs and limbs.
31. **ulmarius,** Fr. Trunks of Birch.
32. **carneus,** Nees. Posts and dead wood.
33. **radiatus,** Fr. Trunks and branches.
34. **cupulæformis,** B. & C. Dead bark.
35. **scruposus,** Fr. Logs, stumps, and limbs.
36. **salicinus,** Fr. Willows.
37. **cervinus,** Fr. Bark of Peach trees.
38. **annosus,** Fr. Old stumps.
39. **hirsutus,** Fr. Trunks and limbs.
40. **hirsutulus,** Schw. Dead branches and sticks.
41. **versicolor,** Fr. Trunks, limbs, &c.
42. **pergamenus,** Batsch. Pines.
43. **laceratus,** Berk. Old logs and trees.
44. **abietinus,** Fr. Fir trees.

(V. **RESUPINATUS.**)

45. **ferruginosus,** Fr. Dead limbs and posts.
46. **incarnatus,** Fr. Pine trunks.
47. **xanthus,** Fr. Under side of Pine logs.
48. **medulla-panis,** Fr. Dead limbs and wood.
49. **vulgaris,** Fr. Dead wood.
50. **vaporarius,** Fr. Decaying Pines.
51. **amorphus,** Fr. Dead bark.
52. **incrustans,** B. & C. Dead wood.
53. **scutellatus,** Schw. Bark of limbs.
54. **sanguinolentus,** Schw. Rotten logs and wood.
55. **cucullatus,** B. & C. Dead branches.

21. **TRAMETES,** Fr.

1. **pini,** Fr. Pine trunks.
2. **suaveolens,** Fr. Willows.

3. **odora,** Fr. Willows.
4. **sepium,** Berk. Dead wood.

22. DÆDALEA, Fr.

1. **quercina,** Pers. Oak stumps.
2. **confragosa,** Bolt. Willows, &c.
3. **unicolor,** Fr. Stumps.

23. MERULIUS, Fr.

1. **tremellosus,** Schrad. Decaying trees.
2. **incarnatus,** Schw. Rotten logs.
3. **Corium,** Fr. Dead trunks.
4. **porinoides,** Fr. Dead wood.
5. **lachrymans,** Fr. Cellars; and hollow trees.
6. **hœdinus,** B. & C. Old wood.
7. **badius,** B. & C. Old wood.
8. **patellæformis,** B. & C. Old wood.

24. FISTULINA, Bull.

hepatica, Fr. Trunks and stumps.

25. HYDNUM, L.

(I. MESOPUS.)

1. **imbricatum,** L. Ground in pine woods.
2. **repandum,** L. Ground in pine woods.
3. **compactum,** Fr. Pine woods.
4. **zonatum,** Batsch. Woods.
5. **diffractum,** Berk. Pine woods.
6. **spadiceum,** Pers. Pine woods.
7. **suaveolens,** Scop. Pine woods.

(II. PLEUROPUS.)

8. **adustum,** Schw. Fallen branches.

(III. MERISMA.)

9. **erinaceum,** Bull. Trunks.
10. **coralloides,** Scop. Decaying wood.

(IV. APUS.)

11. **septentrionale,** Fr. Old trunks.
12. **strigosum,** Sw. Ash stumps.
13. **ochraceum,** Pers. Sticks and stumps.
14. **gelatinosum,** Scop. Trunks and stumps.

(V. RESUPINATUS.)

15. **niveum,** Pers. Dead wood.
16. **ferruginosum,** Fr. Decaying wood.
17. **amplissimum,** B. & C. Rotten wood.
18. **farinaceum,** Pers. Decayed wood.

26. SISTOTREMA, Fr.

confluens, Pers., var. Mosses.

27. IRPEX, Fr.

1. **pendulus,** Fr. Old wood.
2. **sinuosus,** Fr. Dead Oaks, &c.
3. **cinnamomeus,** Fr. Trunks and limbs.
4. **cinerascens,** Schw. Sides of trunks.
5. **pityreus,** B. & C. Old trees.
6. **deformis,** Fr. Old stumps, and trees.

28. RADULUM, Fr.

1. **molare,** Fr. Dead Oaks.
2. **rubiginosa,** Berk. & Rav. Trunks and sticks.

29. PHLEBIA, Fr.

1. **merismoides,** Fr. Old stumps and decaying wood.
2. **radiata,** Fr. Old stumps.
3. **vaga,** Fr. Decaying wood.

30. ODONTIA, Fr.

fimbriata, Fr. Fallen branches.

31. CRATERELLUS, Fr.

1. **lutescens,** L. Ground in woods.
2. **cornucopioides,** Fr. Woods.
3. **crispus,** Fr. Woods.

32. THELEPHORA, Fr.

(I. MESOPUS.)

1. **tuberosa,** Grev. Ground, &c.
2. **anthocephala,** Fr. Ground in woods.
3. **caryophylla,** Fr. Ground in woods.
4. **multipartita,** Schw. Ground, &c.
5. **vialis,** Schw. Woods, and roadsides.

(II. MERISMA.)

6. **palmata,** Fr. Earth.
7. **pallida,** Schw. Earth.
8. **trifaria,** B. & C. Woods.
9. **pteruloides,** B. & C. Woods.
10. **terrestris,** Fr. Earth.

(III. APUS.)

11. **laciniata,** Pers. Branches, ground, &c.

(IV. RESUPINATUS.)

12. **sebacea,** Fr. Grass, mosses, &c.

33. STEREUM, Fr.

1. **purpureum,** Fr. Fallen trunks, &c.
2. **fasciatum,** Fr. On trunks.
3. **hirsutum,** Fr. Stumps, &c.

4. **striatum,** Fr. Trees and branches.
5. **corrugatum,** Berk. Dead saplings.
6. **spadiceum,** Fr. Dead sticks, &c.
7. **ochraceo-flavum,** Schw. Dead trees and limbs.
8. **complicatum,** Fr. Stumps and branches.
9. **radiatum,** Peck. Old Hemlock logs.
10. **rugosum,** Fr. Trunks and logs.
11. **Curtisii,** Berk. Bark of Oaks.
12. **Murraii,** B. & C. Various barks.
13. **frustulosum,** Fr. Trees and branches.
14. **imbricatulum,** Schw. Trees and branches.
15. **bicolor,** Fr. Old logs and limbs.
16. **acerinum,** Fr. Living Maples.
17. **obliquum,** B. & C. Old Bark.
18. **albobadium,** Schw. Stumps and trees.

34. HYMENOCHÆTE, Lev.

1. **rubiginosa,** Lev. Stumps, &c.
2. **tabacina,** Lev. Fallen branches.

35. AURICULARIA, Fr.

mesenterica, Bull. Trees, &c.

36. CORTICIUM, Fr.

1. **læve,** Fr. Decaying wood.
2. **quercinum,** Pers. Oak branches.
3. **cinereum,** Fr. Dead wood and sticks.
4. **cæruleum,** Fr. Rails, &c.
5. **Oakesii,** B. & C. Oak bark, &c.
6. **colliculosum,** B. & C. Bark of trees and limbs.
7. **Sambuci,** Pers. Elder.
8. **pauperculum,** B. & C. Branches.
9. **evolvens,** Fr. Bark of trees.
10. **incarnatum,** Fr. Bark and dead wood.
11. **arachnoideum,** Berk. Woods.
12. **scutellatum,** B. & C. Oak trees and limbs.
13. **Auberianum,** Mont. Bark of dead Pines.
14. **salicinum,** Fr. Trunks and branches of Willows.
15. **giganteum,** Fr. Pines.

37. GUEPINA, Fr.

spathularia, Fr. Old Pine wood.

38. CYPHELLA, Fr.

1. **fasciculata,** B. & C. Dead bark.
2. **capula,** Fr. Stems of herbs.
3. **fulva,** B. & Rav. Dead bark.

39. EXOBASIDIUM, Woronin.

Azaleæ, Peck. (MAY APPLES.) Living branches of A. nudiflora.

40. SOLENIA, Pers.

1. candida, Hoffm. Rotten wood.
2. ochracea, Hoffm. Dead trees.

41. SPARRASIS, Fr.

crispa, Fr. Earth, base of trees.

42. CLAVARIA, L.

1. flava, Fr. Earth in woods.
2. botrytis, Pers. Earth in woods.
3. coralloides, L. Wet woods.
4. Tuckermani, Frost. Earth in woods.
5. albo-lilacina, Frost. Earth in woods.
6. cinerea, Bull. Woods.
7. cristata, Holmsk. Damp woods.
8. rugosa, Bull. Damp places.
9. macropus, Pers. Earth.
10. subtilis, Pers. Shaded banks.
11. pyxidata, Pers. Logs in woods.
12. Kunzei, Fr. Moist woods.
13. aurea, Fr. Earth in woods.
14. rufescens, Schaeff. Earth in woods.
15. Peckii, Frost. Earth in woods.
16. spinulosa, Fr. Under pine trees.
17. abietina, Schum. Woody earth.
18. stricta, Pers. Base of trees, old trunks, &c.
19. crispula, Fr. Old trunks.
20. fusiformis, Sow. Grassy woods.
21. inequalis, Fr. Damp places.
22. fragilis, Holmsk. Earth in woods.
23. pistillaris, L. Shaded moist woods.
24. ligula, Fr. Thickets, &c.
25. contorta, Fr. Damp rotting wood.
26. mucida, Pers. Damp rotten wood.
27. clavata, Peck. Earth; roadsides, &c.

43. PTERULA, Fr.

durissima, B. & C. Earth in woods.

44. CALOCERA, Fr.

1. viscosa, Fr. Pine woods.
2. cornea, Fr. Oak stumps.
3. palmata, Fr. Dead bark and wood.

45. CRINULA, Fr.

paradoxa, B. & C. Oak leaves.

46. TYPHULA, Fr.

1. phacorrhiza, Fr. Among leaves.
2. muscicola, Fr. Leaves of mosses.

47. TREMELLA, Fr.

1. **aurantia,** Schw. Wood and bark.
2. **mesenterica,** Retz. Sticks in woods.
3. **lutescens,** Fr. Old Hemlocks.
4. **albida,** Huds. Dead birch.
5. **intumescens,** Sow. Fallen trees.
6. **vesicaria,** Bull. Stems of herbs.
7. **foliacea,** Pers. Trunks, logs, and stumps.
8. **enata,** B. & C. Various barks.

48. EXIDIA, Fr.

1. **glandulosa,** Fr. Dead branches.
2. **cinnabarina,** B. & C. Dead branches.
3. **repanda,** Fr. Dead wood and branches.

49. HIRNEOLA, Fr.

Auricula-Judæ, Berk. Trunks.

50. NÆMATELIA, Fr.

1. **nucleata,** Fr. Rotten wood.
2. **encephala,** Fr. Old Pine rails, &c.
3. **atrata,** Peck. Dead Bass wood.

51. DACRYMYCES, Nees.

1. **deliquescens,** Duby. Dead limbs.
2. **violaceus,** Fr. Branches of Apple trees.
3. **stillatus,** Fr. Old Pine wood.
4. **chrysosperma,** B. & C. Old wood.
5. **tortus,** Fr. Old Pine wood.

52. HYMENULA, Fr.

umbilicata, Fr. Dead stems of herbs.

Fam. II. GASTEROMYCETES.

53. HYMENOGASTER, Tul.

vulgaris, Tul. Moist banks in woods.

54. SPLANCHNOMYCES, Corda.

roseolus, Corda. Swamps in woods.

55. PHALLUS, L.

1. **impudicus,** L. Rich places and woods.
2. **duplicatus,** Bosc. Earth, &c.
3. **indusiatus,** Vent. Earth, &c.
4. **rubicundus,** Fr. Earth around stumps.

56. CYNOPHALLUS, Fr.

caninus, Fr. Decaying leaves in woods.

57. TULOSTOMA, Pers.

mammosum, Fr. Mosses, and in sandy soil.

58. GEASTER, Mich.

1. **limbatus,** Fr. Woods and gardens.
2. **fimbriatus,** Fr. Earth.
3. **hygrometricus,** Pers. Woody earth.
4. **minimus,** Schw. Grass land.

59. BOVISTA, Dill.

plumbea, Pers. Pastures and meadows.

60. LYCOPERDON, Tourn.

1. **albo-purpureum,** Frost. Pastures and fields.
2. **gemmatum,** Fr. Pastures and woods.
3. **pyriforme,** Schaeff. Around decaying wood.
4. **separans,** Peck. Pastures, &c.

61. MITREMYCES, Nees.

lutescens, Schw. Earth, Hitchcock Catal.

62. SCLERODERMA, Pers.

1. **vulgare,** Fr. Borders of woods.
2. **Bovista,** Fr. Sandy soil.

63. LYCOGALA, Mich.

epidendron, Fr. Stumps and rotten wood.

64. RETICULARIA, Bull.

1. **maxima,** Fr. Trunks of felled trees.
2. **umbrina,** Fr. Stumps and old wood.

65. ÆTHALIUM, Link.

septicum, Fr. Woods.

66. SPUMARIA, Fr.

alba, DC. Living grass.

67. PTYCHOGASTER, Corda.

albus, Corda. Rotting logs.

68. DIDERMA, Pers.

1. **globosum,** Fr. Dead leaves.
2. **citrinum,** Fr. Dead leaves and sticks.
3. **vernicosum,** Pers. Fallen sticks, leaves, &c.
4. **crustaceum,** Peck. Leaves and fallen sticks.
5. **farinaceum,** Peck. Mosses and Fern stems.
6. **fulvipes,** Fr. Mosses.

69. DIDYMIUM, Schrad.

1. **cinereum,** Fr. Bark and wood.
2. **furfuraceum,** Fr. Rotten wood.

3. **xanthopus,** Fr. Dead leaves.
4. **melanopus,** Fr. Dead stems, &c.

70. PHYSARUM, Pers.

1. **nutans,** Pers. Decaying wood.
2. **pulchripes,** Peck. Rotten wood.
3. **aureum,** Pers. Decaying wood.
4. **album,** Fr. On various substances.
5. **muscicola,** Pers. Mosses, in woods and swamps.

71. ANGIORIDIUM, Grev.

sinuosum, Grev. On various substances.

72. CRATERIUM, Trent.

leucocephalum, Ditm. On various substances.

73. DIACHÆA, Fr.

elegans, Fr. Dead leaves.

74. STEMONITES, Gled.

1. **ferruginea,** Ehr. Old stumps.
2. **fusca,** Roth. Wood, leaves, mosses, &c.

75. DICTYDIUM, Schrad.

1. **umbilicatum,** Schrad. Rotten wood.
2. **microcarpon,** Schrad. Dead wood.

76. CRIBRARIA, Schrad.

1. **purpurea,** Schrad. Decaying branches.
2. **intricata,** Schrad. Rotten wood.

77. ARCYRIA, Hill.

1. **punicea,** Pers. Rotten stumps, &c.
2. **cinerea,** Schum. Rotten wood.
3. **nutans,** Fr. Rotten wood.
4. **globosa,** Schw. Chestnut leaves.

78. TRICHIA, Hall.

1. **pyriformis,** Hoffm. Rotten stumps.
2. **fallax,** Pers. Rotten wood.
3. **clavata,** Pers. Decaying wood.
4. **turbinata,** With. Rotten wood.
5. **serotina,** Schrad. Rotten wood.
6. **chrysosperma,** DC. Rotten wood.
7. **serpula,** Pers. Rotten wood and leaves.
8. **varia,** Pers. Decaying wood.

79. PERICHÆNA, Fr.

1. **populina,** Fr. Fallen poplars.
2. **flavida,** Peck. Mosses.

80. LICEA, Schrad.

1. **cylindrica,** Fr. Rotten wood.
2. **fragiformis,** Fr. Rotten wood.

81. CYATHUS, Pers.

1. **striatus,** Hoffm. Sticks, old wood.
2. **vernicosus,** DC. Earth, &c.

82. CRUCIBULUM, Tul.

vulgare, Tul. Sticks, &c.

83. SPHÆROBOLUS, Tode.

stellatus, Tode. Twigs, old planks, &c.

Fam. III. CONIOMYCETES.

84. LEPTOSTROMA, Fr.

litigiosum, Desm. Fern stems.

85. PHOMA, Fr.

1. **scabriusculum,** B. & C. Dead stems of herbs.
2. **nebulosum,** Berk. Dead branches.
3. **pallens,** B. & C. Dead branches of Grape vines.
4. **Syringæ,** B. & C. Branches of Lilac.
5. **glandicola,** B. & C. Old white Oak, acorns, &c.
6. **ampelinum,** B. & C. Dead stems of grape vines.

86. LEPTOTHYRIUM, Kunze.

1. **Fragariæ,** Lib. Leaves of Strawberry and Potentilla.
2. **Celastri,** B. & C. Small branches of Celastrus.

87. SPHÆRONEMA, Tode.

spina, B. & C. Branches of White Ash.

88. SPHÆROPSIS, Lev.

1. **phomatospora,** B. & C. Cratægus.
2. **Platani,** Peck. Fallen branches of Sycamore.
3. **insignis,** B. & C. Dead acorns.
4. **Frostii,** Peck. Branches of Rhus glabra.
5. **Viticola,** B. & C. Grape vines.
6. **Plantagicola,** B. & C. Leaves of P. lanceolata.
7. **collabens,** B. & C. Dead wood.
8. **mamillaris,** B. & C. Dead branches.
9. **torulosa,** B. & C. Carious wood.
10. **ocellata,** B. & C. Leaves.

89. DISCOSIA, Lib.

1. **alnea,** Lib. Dead leaves.
2. **grammita,** B. & C. Dead sticks.

90. DIPLODIA, Fr.

1. **viticola,** Desm. Grape vines.
2. **valsoides,** Peck. Dead bark, and White Birch trees.
3. **vulgaris,** Lev. Twigs.

91. VERMICULARIA, Tode.

1. **Dematium,** Fr. Dead herbaceous stems.
2. **Liliaceorum,** Schw. Dead stems of Lily.

92. HENDERSONIA, Berk.

1. **Sartwelli,** B. & C. Leaves of Locust.
2. **cæspitosa,** B. & C. Sticks and branches.

93. SEPTORIA, Fr.

1. **Ulmi,** Kze. Leaves of Elm.
2. **Nabali,** B. & C. Leaves of Nabalus.
3. **Vitis,** B. & C. Grape vine leaves.
4. **Polygonorum,** Desm. Living leaves of Polygonum.
5. **Rhoides,** B. & C. Leaves of Rhus.
6. **ochroleuca,** B. & C. Leaves of Chestnut.
7. **Herbarum,** B. & C. Leaves of Oak.
8. **maculans,** B. & C. Leaves of Oak.
9. **plantaginicola,** B. & C. Leaves of Plantago.
10. **Rubi,** B. & C. Leaves of Raspberry.
11. **Pyri,** Curt. Leaves of Apple trees.
12. **Œnotheræ,** B. & C. Leaves of O. biennis.

94. DEPAZEA, Fr.

1. **Kalmicola,** Schw. Leaves of laurel.
2. **Pyrolæ,** Fr. Leaves of Prince's Pine.
3. **cruenta,** Kze. Dying leaves of Convallaria.
4. **circumscissa,** B. & C. Sycamore leaves.
5. **castaneæcola,** Fr. Leaves of Chestnut.

95. ASTEROMA, DC.

1. **reticulatum,** Berk. Dead leaves of Convallaria.
2. **pomigena,** Schw. Apples.

96. RABENHORSTIA, Fr.

Tiliæ, Fr. Dead branches of T. Americana.

97. MICROPERA, Lev.

Drupacearum, Lev. Branches of Cherry.

98. DISCELLA, B. & Br.

1. **obscura,** B. & C. Dead twigs.
2. **carbonacea,** B. & Br. Dead twigs.

99. MELACONIUM, Link.

1. **magnum,** Berk. Wood.

2. **bicolor,** Nees. White Birch branches.
3. **betulinum,** Schw. Birch.
4. **varium,** B. & C. Wood.

100. STILBOSPORA, Pers.

1. **ovata,** Pers. Dead twigs, &c.
2. **macrosperma,** Pers. Oak branches.

101. CONOTHECIUM, B. & C.

torulosum, B. & C. Willow stems.

102. SPILOCÆA, Fr.

Pomi, Fr. Skin of apples.

103. CORYNEUM, Kunze.

1. **disciforme,** B. & C. Oak branches.
2. **clavæsporum,** Peck. Dead branches.
3. **pulvinatum,** Kze. Dead branches.

104. PESTALOZZIA, DeNot.

Guepini, Desm. Leaves.

105. ENDOBOTRYA.

elegans, B. & C. Beech bark.

106. MYXOSPORIUM, DeNot.

nitidum, B. & C. Branches of Cornus alternifolia.

107. NEMASPORA, Pers.

1. **crocea,** Pers. Beech trunks.
2. **pruinosa,** B. & C. Rinds of decaying vegetables.

108. GLŒOSPORIUM, Mont.

1. **concentricum,** B. & Br. Cabbage leaves.
2. **crocosporum,** B. & C. Old rinds of Squash.

109. TORULA, Pers.

Herbarum, Link. Herbaceous plants.

110. BACTRIDIUM, Kunze.

flavum, Kze. Stumps.

111. SEPTONEMA, Corda.

1. **spilomeum,** Berk. Old rails and boards.
2. **olivaceum,** Peck. Stems of herbs.

112. SPORIDESMIUM, Link.

Lepraria, B. & Br. Exposed boards and rails.

113. PHRAGMIDIUM, Link.

1. **mucronatum,** Link. Rose leaves.
2. **speciosum,** Fr. Rose bushes.

114. TRIPHRAGMIUM, Link.

clavellosum, Berk. Leaves of Aralia nudicaulis.

115. PUCCINIA, Pers.

1. **graminis,** Pers. Leaves of grasses.
2. **mesomajalis.** Leaves of Clintonia borealis.
3. **Violarum,** Link. Leaves of violets.
4. **Compositarum,** Schl. Leaves and stems of Canada Thistle.
5. **Tiarellæ,** B. & C. Leaves of Tiarella.
6. **Menthæ,** Pers. Leaves of various Mints.
7. **Anemones,** Pers. Leaves of Anemone.
8. **Circæae,** Pers. Leaves of Circæa.
9. **Asteris,** Schw. Leaves of Asters.
10. **solida,** Schw. Leaves of Anemone.
11. **Pyrolæ,** Cooke. Leaves, stems, petioles of Polygala.
12. **Polygonorum,** Link. Leaves of knot grass.
13. **coronata,** Corda. Leaves of Grasses and Oats.
14. **Caricis,** DC. Leaves and sheaths of Carices.
15. **Xanthi,** Schw. Leaves of Asters.
16. **Umbelliferarum,** DC. Leaves of Umbelliferæ.

116. GYMNOSPORANGIUM, DC.

Juniperi, Fr. Living twigs of J. communis.

117. PODISOMA, Link.

Juniperi, Fr. Living branches of J. communis.

118. USTILAGO, Link.

1. **Carbo,** Tul. Ears of Corn and Grasses.
2. **Urceolorum,** Tul. Seeds of Carices.
3. **utriculosum,** Nees. Seeds of Polygonum.
4. **Maydis,** Corda. Flowers, fruits, &c. Indian corn.
5. **Junci,** Schw. Seeds of Juncus.

119. UROCYSTIS, Rabh.

1. **pompholygodes,** Schlecht. Ranunculi.
2. **Cepulæ,** Frost. Bulbs of young onions.
3. **pusilla,** C. & P. Leaves of Carex Pennsylvanica.

120. UROMYCES, Link.

1. **appendiculata,** Lk. On various plants.
2. **Lespedezæ-violacæ,** Schw. Leaves of L. violacea.
3. **Lespedezæ-procumbentis,** Schw. Leaves of L. procumbens.
4. **Hyperici,** Schw. Leaves of Hypericum.
5. **macrospora,** B. & C. Leaves of Lespedeza capitata.
6. **apiculosa,** Lev. Leaves of Euphorbiæ.
7. **scutellata.** Leaves of Euphorbia maculata.
8. **triquetra,** Cooke. Leaves of Hypericum and Elodea.

9. **solida**, B. & C. Leaves of Desmodium.
10. **Junci**, B. & C. Leaves and stems of Juncus.

121. COLEOSPORIUM, Lev.

Tussilaginis, Lev. Coltsfoot leaves.

122. MELAMSPORA, Cast.

1. **salicina**, Lev. Leaves of Willows.
2. **populina**, Lev. Leaves of Populus.

123. CYSTOPUS, DeBary.

candidus, Lev. Crucifera.

124. UREDO, Lev.

1. **Rubigo**, DC. Leaves of Grasses, &c.
2. **Solidaginis**, Schw. Leaves of Solidago.
3. **Pyrolæ**, Strauss. Leaves of Sedges.
4. **Caricina**, DC. Leaves of Sedges.
5. **Polygonorum**, DC. Leaves of Polygonum.
6. **Potentillæ**, DC. Leaves of Rosaceæ.
7. **Cichoraceum**, Lev. Leaves of Dandelion.
8. **Filicum**, Desm. Leaves of Ferns.
9. **effusa**, Strauss. Rose leaves.
10. **Leguminosarum**, Lk. Bean leaves.
11. **Ari-Virginici**, Schw. Leaves of Arum.
12. **miniata**, Strauss. Bramble leaves.
13. **graveolens**, B. & C. Leaves of Canada Thistle.
14. **Vacciniorum**, Johnst. Leaves of V. corymbosum.
15. **luminata**, Schw. Leaves of Rubus.

125. TRICHOBASIS, Lev.

1. **Pyrolæ**, B. On Pyrola rotundifolia.
2. **suaveolens**, Lev. Leaves of Canada Thistle.

126. LECYTHEA, Lev.

1. **Saliceti**, Lev. Under side of Willow leaves.
2. **ovata**, Strauss. Leaves of Populus.

127. RŒSTELIA, Reb.

1. **lacerata**, Sow. Leaves of twigs of Thorn.
2. **cornuta**, Tul. Leaves of Cratægus, Pyrus, &c.
3. **aurantiaca**, Peck. Quince stems.

128. PERIDERMIUM, Chev.

1. **Cerebrum**, Peck. Trunks and branches of young Pines.
2. **Pini**, Chev. Leaves and young branches of Abies.

129. ÆCIDIUM, Pers.

1. **Euphorbiæ**, Pers. Under side of leaves of Spurge.
2. **hydnoideum**, B. & C. Leaves of Dirca palustris.

3. **Houstonianum,** Schw. Leaves of Houstonia.
4. **Sambuci,** Schw. Leaves of S. Canadensis.
5. **Ranunculacearum,** DC. Leaves of Ranunculi.
6. **Clematitis,** Schw. On Virgin's Bower.
7. **Grossulariæ,** DC. Leaves of Ribes, &c.
8. **Urticæ,** DC. Leaves and stems of Nettles.
9. **Geranii,** DC. Leaves of Geranium.
10. **Compositarum,** Mart. Leaves of Compositæ.
11. **Violæ,** Schum. Leaves of V. pubescens.
12. **Mariæ-Wilsoni,** Peck. Leaves of Viola pubescens.
13. **Menthæ,** DC. Leaves of Labiatæ.
14. **Rumicis,** Pers. Leaves of Rumex.
15. **Lycopi,** Gerard. On L. Europæus.
16. **Aroidatum,** Schw. Leaves of Indian Turnip.
17. **Epilobii,** DC. Leaves of Evening Primrose.
18. **Œnotheræ,** Peck. Leaves of Evening Primrose.
19. **Berberidis,** Pers. Leaves of Common Berberry.
20. **Asteratum,** Schw. Leaves of Asters.
21. **quadrifidum,** DC. Leaves of Anemone nemorosa.

130. CRONARTIUM, Fr.

Asclepiadeum, Fr. Leaves of Comptonia.

Fam. IV. HYPHOMYCETES.

131. ISARIA, Fr.

1. **farinosa,** Fr. Buried Chrysalids.
2. **brachiata,** Schum. Dead Agarics.

132. CERATIUM, A. & S.

hydnoides, A. & S. Rotten wood.

133. STILBUM, Tode.

1. **Spraguei,** B. & C. Dead wood.
2. **Rhois,** B. & C. Bark of Rhus glabra.
3. **Polyporinum,** Frost. On decaying Polyporus abietina.

134. STEMPHYLIUM, Wallr.

Fuligo, B. & C. Branches of Rhus glabra.

135. TUBERCULARIA, Tode.

1. **vulgaris,** Tode. Sticks and branches.
2. **granulata,** Pers. Dead bark.
3. **confluens,** Pers. Dead bark of Currant.
4. **dubia,** Schw. Branches of Rhus.
5. **nigricans,** DC. Dead branches of Apple, Elder, &c.

136. FUSARIUM, Link.

1. **lateritium,** Nees. Dead twigs.
2. **Berenice,** B. & C. Dead limbs.

137. EPICOCCUM, Link.

micropus, Corda. Dead Pumpkin vines.

138. ILLOSPORIUM, Mont.

1. roseum, Fr. On Tree Lichens.
2. coccineum, Fr. On Pertusaria pertusa.

139. ÆGERITA, Pers.

candida, Pers. Damp decaying wood.

140. PERICONIA, Corda.

Calicioides, Berk. Dead bark.

141. SPOROCYBE, Fr.

1. Persicæ, Fr. Bark of Persica and Cerasus.
2. Rhois, B. & C. Bark of Rhus.
3. byssoides, Fr. Stems and bark.

142. HELMINTHOSPORIUM, Link.

1. macrocarpon, Corda. Rotten sticks.
2. Tiliæ, Fr. Rotten sticks.

143. MACROSPORIUM, Fr.

1. Cheiranthi, Fr. Beet leaves.
2. Brassicæ, Berk. Cabbage leaves.

144. MYSTROSPORIUM, Corda.

1. Spraguei, B. & C. Dead bark.
2. ventricosum, B. & C. Dead wood.

145. POLYTHRINCIUM, Kunze.

Trifolii, Kze. Leaves of Trifolium.

146. CLADOSPORIUM, Link.

1. Herbarum, Link. Decaying substances.
2. Fumago, Link. Decaying substances.
3. epiphyllum, Nees. Fallen leaves of Sycamore.
4. cabosporum, B. & C. Decaying substances.

147. ASPERGILLUS, Mich.

1. glaucus, Link. Lard, Bread, Cheese, &c.
2. fuliginosus, Peck. Paste, &c.
3. roseus, Lk. Hen dung, damp Paper, &c.
4. maximus, Lk. Putrid Polyporus and Boletus.

148. BOTRYTIS, Mich.

1. Viticola, B. & C. Leaves of Grape vine.
2. lateritia, Fr. Carious wood.

149. PERONOSPORA, DeBy.

infestans, Mont. Leaves, stems, and tubers of Potato.

150. VERTICILLIUM, Link.

nanum, B. & Br. Dead bark of branches.

151. OIDIUM, Link.

1. **fructigenum,** Schrad. Decaying Apples, Pears, &c.
2. **monilioides,** Lk. Living grass leaves.
3. **fulvum,** Lk. Rotten wood.

152. DACTYLIUM, Nees.

1. **roseum,** Berk. Bark, Fungi, &c.
2. **dendroides,** Fr. On Clavariæ.

153. POLYACTIS, Link.

vulgaris, Lk. Rotting Cabbages, &c.

154. PENICILLIUM, Link.

1. **crustaceum,** Fr. Decaying bodies.
2. **epigæum,** B. & C. Earth.
3. **candidum,** Lk. Fruit, &c.

155. LYGODESMUS, Corda.

1. **fuscus,** Corda. Decaying wood.
2. **olivaceus,** B. & C. Decaying wood.

156. STREPTOTHRIX, Corda.

atra, B. & C. Oak bark and branches.

157. BOTRYOSPORIUM, Corda.

diffusum, Corda. Decayed herbaceous plants.

158. SEPEDONIUM, Link.

1. **chrysospermum,** Lk. Boleti.
2. **cervinum,** Fr. On Helvella elastica.

159. PILACRE, Fr.

1. **faginea,** B. & Br. Beech sticks.
2. **Petersii,** B. & C. Dead bark and decaying wood.

Fam. V. PHYSOMYCETES.

160. ASCOPHORA, Tode.

Mucedo, Tode. Bread, &c.

161. MUCOR, Mich.

1. **phycomyces,** Berk. Greasy walls, fat, &c.
2. **Mucedo,** L. Fruit, preserves, &c.
3. **caninus,** Pers. Excrements of mice.
4. **flavidus,** Pers. Decaying Agarics.
5. **inæqualis,** Peck. Decaying Squashes.
6. **capitato-ramosus,** Schw. Decaying Boleti and Polypori.

162. PILOBOLUS, Tode.

1. **crystallinus**, Tode. Horse dung.
2. **roridus**, Schum. Dung.

Fam. VI. ASCOMYCETES.

163. ONYGENA, Pers.

equina, Pers. Old hoofs.

164. SPHÆROTHECA, Lev.

1. **pruinosa**, C. & P. Leaves of Rhus glabra.
2. **Castagnei**, Lev. Leaves.

165. LASIOBOTRYS, Kunze.

Loniceræ, Kze. Leaves of Lonicera.

166. PHYLLACTINA, Lev.

guttata, Lev. Dead Chestnut leaves.

167. UNCINULA, Lev.

1. **adunca**, Lev. Leaves of Willows.
2. **macrospora**, Peck. Leaves of Elm, both sides.
3. **circinata**, C. & P. Under side of Maple leaves.
4. **flexuosa**, Peck. Lower side of Horse Chestnut leaves.
5. **Ampelopsidis**, Peck. Both sides of leaves of Woodbine.

168. PODOSPHÆRIA, Kunze.

1. **Kunzei**, Lev. On Spiræa salicifolia.
2. **biuncinata**, C. & P. Leaves of Witch Hazel.

169. MICROSPHÆRIA, Lev.

1. **Friesii**, Lev. Leaves of Lilac.
2. **Friesii**, var. **Castaneæ**, C. & P. Living Chestnut leaves.
3. **extensa**, C. & P. Living Oak leaves.
4. **pulchra**, C. & P. Leaves of Cornus alternifolia.
5. **diffusa**, C. & P. Leaves of Lespedezæ.
6. **Hedwigii**, Lev. Leaves of Viburnum Lentago.
7. **Vaccinii**, C. & P. Leaves of V. vacillans.

170. ERYSIPHE, Hedw.

1. **communis**, Schl. Leaves.
2. **lamprocarpa**, C. & P. Leaves of Phlox Drummondii.
3. **Martii**, Link. Pea stems and leaves.
4. **Ceanothi**, Schw. Leaves of Ceanothus.
5. **Vaccinii**, Schw. Leaves of Epigæa repens.

171. ERYSIPHELLA, Peck.

aggregata, Peck. Catkins of Alder.

172. CHÆTOMIUM, Kunze.

chartatum, Ehb. Paper.

173. EUROTIUM, Link.

Herbariorum, Lk. Plants in herbarium.

174. MORCHELLA, Dill.

esculenta, Pers. Woods, &c.

175. GYROMITRA, Fr.

esculenta, Pers. Pine woods.

176. HELVELLA, L.

1. **crispa,** Fr. Woods.
2. **elastica,** Bull. Ground in woods.
3. **lacunosa,** Afz. Woods.
4. **Ephippium,** Lev. Ground in woods.

177. MITRULA, Fr.

1. **paludosa,** Fr. Leaves, sticks, &c., in water.
2. **cucullata,** Fr. Pine woods.

178. SPATHULARIA, Pers.

flavida, Pers. Pine woods.

179. LEOTIA, Hill.

lubrica, Pers. Woods.

180. VIBRISSEA, Fr.

1. **Truncorum,** Fr. Sticks in water.
2. **lutea,** Peck. Old Chestnut burrs.

181. GEOGLOSSUM, Pers.

1. **difforme,** Pers. Stumps, &c.
2. **hirsutum,** Pers. Among grass.
3. **simile,** Peck. Damp mossy ground in swamps.
4. **luteum,** Peck. Damp woods, at base of trees and stumps.

182. RHIZINA, Fr.

undulata, Fr. Logs in swamps.

183. PEZIZA, L.

1. **Acetabulum,** L. Earth.
2. **macropus,** Pers. Earth in woods.
3. **venosa,** Pers. Moist ground.
4. **cochleata,** Huds. Among grass.
5. **aurantia,** Fr. Ground in woods.
6. **vesiculosa,** Bull. Dung hills, &c.
7. **violacea,** Pers. Burnt ground in woods.
8. **micropus,** Pers. Swamps.

9. **fascicularis**, A. & S. Branches, bursting through the bark.
10. **furfuracea**, Fr. Branches of Alder.
11. **coccinea**, Jacq. Sticks, &c.
12. **hemisphærica**, Wigg. Earth in woods.
13. **stercorea**, Pers. Cow dung.
14. **myceticola**, B. & C. Old wood.
15. **virginea**, Batsch. Twigs, sticks, &c.
16. **nivea**, Fr. Stumps, &c.
17. **calycina**, Schum. Pine bark.
18. **cerina**, Pers. Branches, and old rails.
19. **Pini**, Frost. Pine bark and pitch.
20. **citrina**, Batsch. Dead leaves.
21. **mollisiæoides**, Schw. Fallen branches.
22. **aurelia**, Pers. Carious wood.
23. **fusca**, Pers. Fallen branches.
24. **chlora**, Fr. Under bark of old trees.
25. **Persoonii**, Moug. Stems of Equisetum.
26. **cyathoidea**, Bull. Herbaceous stems.
27. **episphæria**, Mart. Hypoxyla.
28. **nigrella**, Pers. Earth in Pine woods.
29. **sanguinea**, Pers. Pine wood.
30. **rubella**, Pers. Dead Pine bark.
31. **echinosperma**, Peck. Damp sandy soil.
32. **compressa**, A. & S. Hard wood.
33. **scutellata**, L. Old wet wood.
34. **flexella**, Fr. Pine wood.
35. **Resinæ**, Fr. Pitch.
36. **atrata**, Pers. Dead stems of herbs.
37. **schizospora**, Phillips. Earth.
38. **Tiliæ**, Peck. Dead branches of T. Americana.
39. **firma**, Pers. Sticks, &c.
40. **humosa**, Fr. Earth.
41. **succosa**, Berk. Rich ground.
42. **cinerea**, Batsch. Decaying wood.
43. **vinosa**, A. & S. Fallen branches.
44. **omphalodes**, Bull. Burnt soil.
45. **diversicolor**, Fr. Dung.
46. **vulgaris**, Fr. Fallen branches.
47. **cupularis**, L. Earth in rich places.

184. HELOTIUM, Fr.

1. **Virgultorum**, Fr. Acorns, &c.
2. **æruginosum**, Fr. Fallen Oak branches.
3. **citrinum**, Fr. Old stumps.
4. **Schweinitzii**, Fr. Old stumps.
5. **lenticulare**, Fr. Old stumps.
6. **Herbarum**, Fr. Dead leaves, stems, &c.

7. **aquaticum,** Curr. Sticks in water.
8. **epiphyllum,** Fr. Dead leaves.
9. **ferrugineum,** Schum. Dead wood.

185. PATELLARIA, Fr.

1. **atrata,** Fr. Dead wood, old rails, &c.
2. **indigotica,** Peck. Dead wood.
3. **stygia,** B. & C. Dead wood.
4. **rhabarbarina,** Berk. Branches.
5. **congregata,** Moreau. Chestnut logs.
6. **discolor,** Mont. Wood, and stems of herbs.
7. **fusispora,** C. & P. Dead wood.
8. **applanata,** B. & C. Dead wood.

186. URNULA, Fr.

Craterium, Fr. Rotten wood, &c., in woods.

187. CENANGIUM, Fr.

1. **triangulare,** Fr. Oak limbs.
2. **Cerasi,** Fr. Wild Cherry branches.
3. **Ribis,** Fr. Currant stems.
4. **Prunastri,** Fr. Dead branches of Plum and Cherry.
5. **populinum,** Schw. Bark of Populus.
6. **Pinastri,** Fr. Branches of Pine.
7. **pithyum,** B. & C. Pine chips, &c.
8. **seriatum,** Fr. Dead bark of White Birch.
9. **Rubi,** Fr. Raspberry.

188. TYMPANIS, Tode.

1. **conspersa,** Fr. Bark of Pyrus.
2. **picastra,** B. & C. Bark of Red Maple.
3. **alnea,** Pers. Bark of Alnus.

189. ASCOBOLUS, Tode.

1. **furfuraceus,** Pers. Cow dung.
2. **glomeratus,** Fr. Stumps.
3. **ciliatus,** Schw. Cow dung.
4. **Trifolii,** Bernh. Leaves of Clover among dung.

190. BULGARIA, Fr.

1. **inquinans,** Fr. Old trunks, &c.
2. **sarcoides,** Fr. Old stumps and wood.

191. STICTIS, Pers.

1. **versicolor,** Fr. Old wood.
2. **radiata,** Pers. Wood and twigs.
3. **hystericina,** Fr. Old wood.
4. **rufa,** B. & C. Branches.

192. ELAPHOMYCES, Nees.

granulatus, Fr. Woods.

193. PHACIDIUM, Fr.

1. **dentatum,** Fr. Fallen Oak leaves.
2. **Pini,** A. & S. Pine bark.
3. **crustaceum,** B. & C. Dead branches of Pine.
4. **coronatum,** Fr. Leaves of Oak and Chestnut.

194. RHYTISMA, Fr.

1. **salicinum,** Fr. Leaves of Willows.
2. **acerinum,** Fr. Leaves of Maple.
3. **punctatum,** Fr. Leaves of Maple and Sycamore.
4. **Asteris,** Schw. Leaves of Asters.
5. **Solidaginis,** Schw. Leaves of Solidago.
6. **Prini,** Fr. Leaves of Prinos.
7. **Vaccinii,** Fr. Living leaves of Vaccinium.

195. GLONIUM, Mich.

stellatum, Mich. Old wood and rails.

196. HYSTERIUM, Tode.

1. **pulicare,** Pers. Trunks.
2. **elongatum,** Wahl. Decorticated wood.
3. **Fraxini,** Pers. Ash wood.
4. **vulvatum,** Schw. Wood, twigs, rails, &c.
5. **parvulum,** Gerard. Old rails, &c.
6. **insidens,** Schw. Dried wood.
7. **lineare,** Fr. Wood and rails.
8. **fusiger,** B. & C. Dead wood.
9. **hiascens,** B. & C. Bark of White Oak.
10. **commune,** Fr. Dead stems of herbaceous plants.
11. **ilicinum,** DeNot. Dry Oak leaves.
12. **Pinastri,** Schrad. Dead Pine leaves.
13. **typhinum,** Fr. Dead leaves of Typha.
14. **maculare,** Fr. Oak leaves.
15. **rufescens,** Schw. Dead bark of Oak or Chestnut.
16. **Rubi,** Pers. Stems of Red Raspberry.

197. COLPOMA, Wallr.

quercinum, Wallr. Oak limbs.

198. LABRELLA, Fr.

Pomi, Mont. Skin of Apples.

199. TORRUBIA, Lev.

1. **militaris,** Fr. Pupæ of buried Moths, &c.
2. **ophioglossoides,** Tul. Ground in woods.
3. **capitata,** Fr. On Elaphomyces.

200. CLAVICEPS, Tul.

purpurea, Tul. On Ergot.

201. HYPOCREA, Fr.

1. **gelatinosa,** Fr. Wood.
2. **rufa,** Fr. Dead wood.
3. **citrina,** Fr. Leaves and wood.
4. **Richardsonii,** B. & Mont. Dead sticks.
5. **Lactifluorum,** Schw. On Lactarius.
6. **contorta,** Schw. Dead wood.

202. HYPHOMYCES, Tul.

lateritius, Tul. On Fungi.

203. NECTRIA, Fr.

1. **cinnabarina,** Fr. Dead twigs.
2. **coccinea,** Fr. Dead twigs.
3. **Celastri,** Schw. On C. scandens.
4. **Cucurbitula,** Fr. Dead branches.
5. **sinopica,** Fr. Dead bark.
6. **Peziza,** Fr. Decaying stumps.
7. **sanguinea,** Fr. Wood, sticks, Hypoxyla, &c.
8. **Ribis,** Tode. Dead Currant stems.
9. **Purtoni,** Curr. On Valsa Abietis.
10. **episphæria,** Fr. On Hypoxyla.
11. **agœothele,** B. & C. On Hypoxyla.

204. XYLARIA, Fr.

1. **polymorpha,** Grev. Old stumps.
2. **digitata,** Grev. Stumps.
3. **corniformis,** Mont. Fallen branches.
4. **Hypoxylon,** Grev. Old stumps.

205. RHIZOMORPHA, Reb.

subcorticalis, Pers. Between bark and wood of logs.

206. PORONIA, Fr.

punctata, Fr. Cow dung.

207. USTULINA, Tul.

vulgaris, Tul. Rotten trunks, &c.

208. HYPOXYLON, Fr.

1. **concentricum,** Grev. Old stumps and wood.
2. **coccineum,** Bull. Beech.
3. **Morseii,** B. & C. Willows and Alders.
4. **multiforme,** Fr. Dead Birch.
5. **atro-purpureum,** Fr. Decaying wood.
6. **cohærens,** Fr. Old logs and trees.
7. **fuscum,** Fr. Various woods.

8. **atropunctatum,** Schw. Dead bark and wood.
9. **rubiginosum,** Fr. Decorticated trunks.
10. **serpens,** Fr. Dead wood.
11. **Clypeus,** Schw. Oak bark.
12. **argillaceum,** Fr. Trunks of Beech.

209. NUMMULARIA, Tul.

Bulliardi, Tul. Wood and bark.

210. EUTYPA, Tul.

1. **lata,** Tul. Wood and branches.
2. **spinosa,** Tul. Hard wood.
3. **leioplaca,** Fr. Wood and dry branches.

211. MELOGRAMMA, Tul.

1. **atrofuscum,** B. & C. Rhus glabra.
2. **Quercuum,** Schw. Oak branches.

212. POLYSTIGMA, Pers.

rubrum, Pers. Dead leaves.

213. DOTHIDEA, Fr.

1. **Ulmi,** Fr. Elm leaves.
2. **betulina,** Fr. Living Birch leaves.
3. **Pteridis,** Fr. P. Aquilina.
4. **ribesia,** Fr. Branches of Red Currant.
5. **filicina,** Fr. Stems of Pteris aquilina.
6. **Trifolii,** Fr. Leaves of Clover.
7. **culmicola,** Schw. Fallen stems of Grass.
8. **Graminis,** Fr. Grass leaves.
9. **flabella,** B. & C. Leaves of Pteris aquilina.
10. **Sambuci,** Fr. Dead stems of Elder.
11. **fructigenæ,** Schw. Decaying Apples.
12. **Anemones,** Fr. Leaves of A. cylindrica.

214. DIATRYPE, Fr.

1. **Stigma,** Fr. Wood and bark.
2. **Hystrix,** Fr. Sycamore branches.
3. **platystoma,** Schw. Dead branches of Maple.
4. **Strumella,** Fr. Dry Currant branches.
5. **undulata,** Fr. Dead wood and branches.
6. **quercina,** Tul. Dead Oaks.
7. **verrucæformis,** Fr. Dry Oak branches.
8. **microplaca,** B. & C. Dead limbs of Benzoin.
9. **disciformis,** Fr. Trunks and dead sticks.
10. **discreta,** Schw. Dead wood.

215. MELANCONIS, Tul.

1. **stilbostoma,** Tul. Birches.
2. **elliptica,** Peck. Dead bark of Birch.

216. VALSA, Fr.

1. **stellulata,** Fr. Branches, &c.
2. **nivea,** Fr. Branches, &c.
3. **Abietis,** Fr. Branches of Pinus.
4. **leucostoma,** Fr. Branches of Prunus.
5. **ceratophora,** Tul. Branches of Robinia.
6. **ambiens,** Fr. Dead trunks.
7. **salicina,** Fr. Willow twigs.
8. **quaternata,** Fr. Dead Beeches.
9. **Colliculus,** Wormsk. Dead branches of Pinus.
10. **hapalocystis,** B. & C. Sycamores.
11. **Americana,** B. & C. Branches.
12. **Alni,** Peck. Alnus.
13. **enteroleuca,** Fr. Dry branches.
14. **Pini,** Fr. Dead branches of Pine.
15. **constellata,** B. & C. Bark.
16. **Platani,** Schw. Fallen branches of Sycamore.
17. **centripeta,** Fr. Dead Alders.

217. CUCURBITARIA, Gray.

1. **elongata,** Grev. Robiniæ.
2. **cupularis,** Fr. Dead branches.

218. MASSARIA, DeNot.

vomitoria, B. & C. Branches of Ash and Red Maple.

219. LOPHIOSTOMA, DeNot.

nucula, Fr. Oak bark.

220. SPHÆRIA, Hall.

1. **aquila,** Fr. Rotten sticks.
2. **Desmazierii,** B. & Br. Ground in woods.
3. **spermoides,** Hoffm. Rotten wood.
4. **moriformis,** Tode. Rotten wood.
5. **pomiformis,** Pers. Dead wood.
6. **pulvis-pyrius,** Pers. Old wood.
7. **pulveracea,** Ehr. Dry wood.
8. **ulmea,** Schw. Leaves of Elm.
9. **Lespedezæ,** Schw. Leaves of Lespedeza.
10. **salicella,** Fr. Branches of Willows.
11. **morbosa,** Schw. Plum and Cherry trees.
12. **fusca,** Pers. Dead branches, &c.
13. **aculeans,** Schw. On Rhus glabra.
14. **complanata,** Tode. Dead stems of herbs.
15. **Coryli,** Batsch. Leaves of Corylus.
16. **callista,** B. & C. Branches.
17. **collabens,** Curr. Bark and wood.
18. **enteromela,** Schw. Bark and wood.

19. **spiculosa,** Pers. Stems of herbs.
20. **Saubeneti,** Mont. Chestnut bark and branches.
21. **subconica,** C. & P. Dead stems of herbs.
22. **aculeata,** Schw. Stems of herbs.
23. **acuminata,** Fr. Stems of Chenopodium.
24. **limæformis,** B. & C. Bark of Oak, Chestnut, &c.
25. **livida,** Fr. Dead wood and branches.
26. **mutila,** B. & C. Twigs, &c.
27. **ramulicola,** Peck. Dead twigs of Elm.
28. **lilacina,** Schw. Dead stems of Phytolacca.
29. **excentrica,** C. & P. Dead stems of Polygonum.
30. **Doliolum,** Pers. Dead stems of herbs.
31. **coprophila,** Fr. Cow dung, in dense patches.
32. **Bombarda,** Batsch. Dry wood.
33. **fuscella,** B. & Br. Bramble stems.
34. **Brassicæ,** Klotszch. Dead cabbage stalks.
35. **intercellularis,** B. & C. Leaves of Typha.
36. **Spraguei,** B. & C. Bark of Pinus Strobus.

221. SPHÆRELLA, DeNot.

1. **maculæformis,** Fr., var. **æqualis.** Fallen leaves.
2. **punctiformis,** Pers. Dead leaves.
3. **Pinastri,** Duby. Dead Pine leaves.
4. **Pteridis,** Desm. Dead fronds of Pteris.
5. **spleniata,** C. & P. Oak leaves.
6. **errabunda,** Desm. Dead Beech leaves.
7. **myriadea,** DC. Dead Oak leaves.

222. MICROTHYRIUM, Desm.

1. **paradoxum,** B. & C. Elder.
2. **microscopicum,** Desm. Leaves.

223. STIGMATEA, Fr.

Robertiani, Fr. Leaves of Geranium Robertianum.

224. HYPOSPILA, Fr.

1. **quercina,** Fr. Dry Oak leaves.
2. **populina,** Fr. Dry Poplar leaves.

225. DICHÆNA, Fr.

faginea, Fr. Bark of Beech.

226. CAPNODIUM, Mont.

1. **elongatum,** B. & Desm. Spurs of living Pear trees.
2. **Pini,** B. & C. Pine trunks and limbs.

SPURIOUS GENERA.

ERINEUM, Pers.

1. **fagineum,** Pers. Beech leaves.
2. **luteolum,** Kze. Maple leaves.
3. **alnigerum,** Kze. Alder leaves.
4. **aureum,** Pers. Birch leaves.
5. **Vitis,** DC. Vine leaves.
6. **roseum,** Schutz. Birch leaves.
7. **quercinum,** Kze. Oak leaves.

SCLEROTIUM, Tode.

1. **Semen,** Tode. Leaves.
2. **durum,** Pers. Stems of herbs.
3. **varium,** Pers. Dead vegetables.
4. **populinum,** Pers. Leaves of Populus.

CORRECTIONS AND ADDITIONS.

Page 1. **Clematis Viorna**, L., occurred in a gorge of the mountains of Brattleboro'; but is doubtless an introduced plant.

P. 2. Read **Liriodendron Tulipifera**; the species-name being here a substantive.

P. 4. After **Lepidium Virginicum** add

L. campestre, L. Amherst, *Clark*.

P. 5. For Lychnis dioica, L., &c., read

L. diurna, Sibth. RED CAMPION. Roadsides.

The Linnæan species is now represented by this and L. vespertina, Sibth., both of which are recognized as North American by Prof. Gray. L. Flos-Cuculi, L., has recently also been observed wild at two stations in Amherst.

At same page, after **Stellaria graminea**, insert

S. uliginosa, Murr. S. Deerfield, *Jesup*.

At same page, erase Cerastium vulgatum, L., which has not occurred; and add, after **C. viscosum**, the wrongly omitted

C. arvense, L.

At same page, after **Sagina procumbens** add

S. apetala, L. Roadside, Hadley, *Jesup*.

P. 6. After **Claytonia Virginica** add

C. Caroliniana, Michx.

This (reputed only a form of C. Virginica by DC., and some other writers) is our common plant.

P. 12. After **Œnothera biennis**, insert

Œ. fruticosa, L. Hadley, *Clark*.

P. 15. **Galium verum** has appeared also in fields of Mass. Agric. College, *Clark*.

P. 16. Erase Eupatorium hyssopifolium, set down by mistake, and insert, after E. teucrifolium,

E. sessilifolium, L. Mt. Toby, *Jesup*.

P. 23. After **Blephilia hirsuta** add

B. ciliata, Raf. Hadley meadows, int.?, *Jesup*.

P. 24. Read **Nepeta Cataria**; the species-name being a substantive.

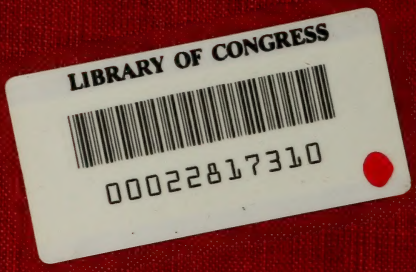
P. 25. Read **Calystegia Sepium.**

P. 28. Before **Rumex Acetosella** insert

[**R. Engelmanni**, Ledeb. Roadside (for several years) Amherst, *S. T. Maynard.*]

P. 76. Read **SPARASSIS.**

P. 87. Read **ZYGODESMUS.**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